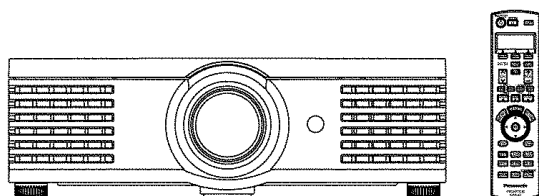


Service Manual

LCD Projector

PT-AE1000U
PT-AE1000E



Panasonic

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The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service Manual.

Specifications

Power supply:

100 V - 240 V AC, 50 Hz / 60 Hz

Power consumption:

240W

[During standby (when fan is stopped): 0.08 W]

Amps:

2.8 A - 1.2 A

LCD panel:

Panel size (diagonal): 0.74 type (17.78 mm)

Aspect ratio: 16:9

Display method: 3 transparent LCD panels (RGB)

Drive method: Active matrix method

Pixels: 2 073 600 (1 980 × 1 080) × 3 panels

Lens:

Motorized zoom (2x) / Motorized focus

F 1.9 - 3.2, f 22.4 mm - 44.4 mm

Lamp:

UHM lamp (165 W)

Luminosity:

1 100 lm

Scanning frequency (for RGB signals):

Horizontal scanning frequency: 30 kHz - 70 kHz

Vertical scanning frequency: 50 Hz - 87 Hz

Dot clock frequency: 150 MHz or less

COMPONENT (YPbPr) signals:

525i (480i), 525p (480p), 625i (576i), 625p (576p),

1 125 (1 080)/24p, 750 (720)/50p, 750 (720)/60p,

1 125 (1 080)/50i, 1 125 (1 080)/60i, 1 125 (1 080)/50p,

1 125 (1 080)/60p

Color system:

7 (NTSC / NTSC 4.43 / PAL / PAL-M / PAL-N / PAL60/ SECAM)

Projection size:

1 016 mm - 5 080 mm

Throw distance:

1.2 m - 12 m

Screen aspect ratio:

16:9

Installation:

Front / Rear / Ceiling / Desk (Menu selection method)

Connectors:

S-VIDEO IN: Single-line, Mini DIN 4-pin

Y: 1.0 V [p-p], C: 0.286 V [p-p], 75 Ω,

VIDEO IN: Single-line, RCA pin jack

1.0 V [p-p], 75 Ω

PC IN:

RGB: Single-line, D-sub HD 15-pin (female)

R.G.B: 0.7V [p-p], 75Ω

G.SYNC: 1.0 V [p-p], 75Ω

HD/SYNC: TTL high impedance, automatic positive/negative polarity compatible

VD: TTL high impedance, automatic positive/negative polarity compatible

COMPONENT IN :

Y, Pb/Cb, Pr/Cr (for PT-AE1000U) :

Dual-line, RCA pin jack × 3

Y, Pb/Cb, Pr/Cr (for PT-AE1000E) :

Signal-line, RCA pin jack × 3

Y: 1.0 V [p-p] (Including sync), 75Ω

Pb / Cb, (Pr / Cr): 0.7 V [p-p], 75Ω

HDMI IN / HDMI IN :

Single-line, 19-pin HDMI connector

SCART IN (PT-AE1000E):

Single-line, 21-pin SCART connector

SERIAL: D-sub 9-pin RS-232C compatible

Cabinet:

Molded plastic (PC+ABS)

Dimensions:

Width: 460 mm

Height: 130 mm

Length: 300 mm

Weight:

7.2 kg

Operating environment:

Temperature: 0° C - 40° C

(When "ALTITUDE" is set to "HIGH": 0° C - 35° C)

Humidity: 20 % - 80 % (no condensation)

Certifications:

PT-AE1000U: UL60950-1, C-UL, FCC Class B, ICES-003

PT-AE1000E: EN60950-1, EN55022, EN61000-3-2,

EN61000-3-3, EN55024

<Remote control unit>

Power supply:

3 V DC (AA battery × 2)

Operating range:

Approx. 7 m

(when operated directly in front of signal receptor)

Weight:

170 g (including batteries)

Dimensions:

Width: 52 mm

Height: 28.5 mm (Not including projection parts)

Length: 200 mm

Accessories:

Remote control unit (EUR7914Z40): 1

AA batteries for remote control unit (× 2): 1

Power cord: PT-AE1000U: K2CG3FZ00008 1

PT-AE1000E: K2CT3FZ00003 (U.K) 1

: K2CM3FZ00003 1
(continental)

Options:

Ceiling bracket: ET-PKX100

Ceiling bracket: ET-PKE1000S

(for low ceilings)

Projection Screen: ET-SRW90CC

Cable cover: ET-PCE1000

- Specifications are subject to change without notice.
- Weight and dimensions shown are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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 - S-VGA is a registered trademark of the Video Electronics Standards Association.
 - HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
 - The font used in the on-screen displays is a Ricoh bitmap font, which is manufactured and sold by Ricoh Company, Ltd.
- All other trademarks are the property of the various trademark owners.

Precaution

If using this projector at high elevations (above 1 400 m), set the ALTITUDE to HIGH. (Refer to "Option settings" in Operating Instructions.)

Failure to observe this may cause malfunctions.

Never use this projector at an elevation of 2 700 m or higher.

Using this projector at high elevations, consult your dealer or Authorized Service Center about preparations.

Note

This projector has the demonstration mode that aims at the effect of the display in the shop. When Panasonic logo and the model name (PT-AE1000*) are displayed, and they go round the four corners of the screen while slowly blinking, the projector is in the demonstration mode. If it is in the demonstration mode, cancel it before returning the customer the projector by the following methods.

Press "RETURN" button on the main unit or remote control unit 3 seconds or longer.

About lead free solder (PbF)

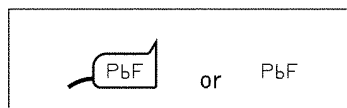
This projector is using the P.C.Board which applies lead free solder. The use of lead free solder is recommended from the standpoint of antipollution for the global environment in service.

Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder. Typically, the melting point is 30°C to 40°C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370±10°C.
- Be precautions about lead free solder: Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board

For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.



For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic LCD Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC BROADCAST & TELEVISION SYSTEMS COMPANY.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any unauthorized changes or modifications to this equipment will void the users authority to operate.

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1 Safety Precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- Use correctly the supplied power cord and must ground it.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Be careful not to touch the rotation part (cooling fan, etc.) of this projector when you service with the upper case removed and the power supply turned ON.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.

Be sure to use a voltmeter having the performance described in Table 1.

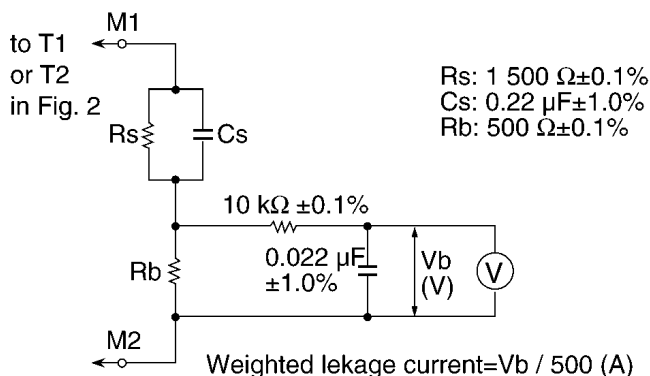


Fig. 1

	Performance
Voltmeter (rms reading)	Accuracy: $\leq 2\%$
	Input resistance: $\geq 1 \text{ M}\Omega$
	Input capacitance: $\leq 200 \text{ pF}$
	Frequency range: 15 Hz to 1 MHz

Table 1

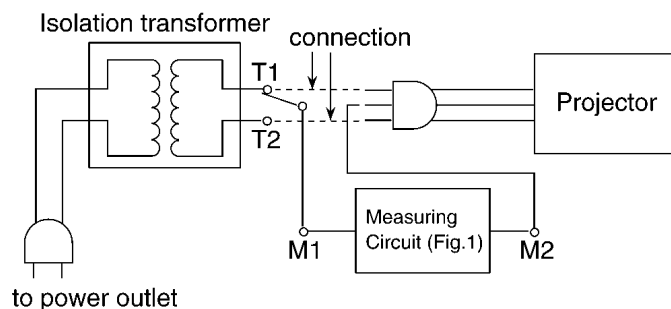


Fig. 2

2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75 mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- The lamp unit has high internal pressure. If improperly handled, explosion might result.
- Because the high pressure lamp involves a risk of failure, never touch the lamp wire lead during the service. (See Fig. 3)

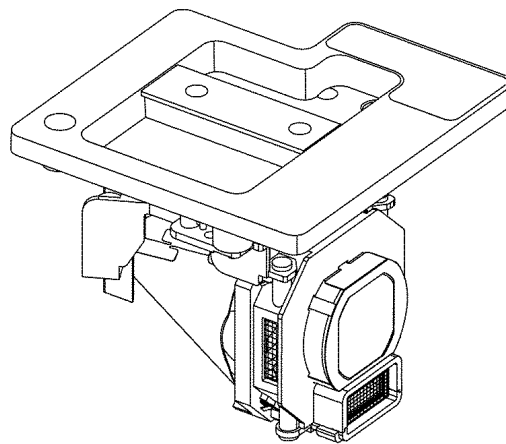


Fig.3

2 Ext Option

This projector has EXT OPTION in addition to standard on-screen menus.

- There are SELF CHECK and FLICKER ADJUST for service, etc.

2.1. Procedure to enter EXT OPTION

1. When the projector is power ON, press "POWER" button on the main unit or remote control unit to display "POWER OFF" confirmation screen.
2. Press the right-arrow " ► " button to select "CANCEL" in the "POWER OFF" confirmation screen.
3. On the main unit or remote control unit, press the buttons in order of up-arrow " ▲ ", down-arrow " ▼ ", up-arrow " ▲ ", down-arrow " ▼ " and "ENTER".

(When the "ENTER" button is pressed, "EXT OPTION" menu is displayed.)

2.2. EXT OPTION Menu and Functions

EXT OPTION

FAN FULLMODE	OFF / ON
AUTO SETUP	NORMAL / SPECIAL
SELF CHECK	
FLICKER ADJUST	
525i SD	OFF / ON
525p OS	OFF / ON
HPLL	OFF / ON

• FAN FULLMODE

Setting the cooling fan motor rotation speed

- Switching ON "FAN FULLMODE", the rotation level of the fan becomes high-speed rotation (fixed). Moreover, when "FAN FULLMODE" is ON, changing "ALTITUDE" in OPTION becomes impossible (setting FAN FULLMODE is given priority more than ALTITUDE).

• AUTO SETUP

Setting AUTO SETUP mode

- NORMAL: To set the normal mode (the dot clock is adjusted strictly)
- SPECIAL: To set the special mode (the dot clock is adjusted roughly)

* Do not change the initial setting (NORMAL).

• SELF CHECK

To enter the self-check mode

• FLICKER ADJUST

To enter the flicker adjustment mode

• 525i SD

When non-standard signal of 525i/625i is inputted (AV amplifier, etc.), synchronization might be disordered according to connected equipment. In this case, set 525i SD to ON.

• 525p OS

When 525p/625p signal is inputted, reflection noise (vertical striated beat) might be generated according to connected equipment. In this case, set 525p OS to ON. However, the resolution decreases a little.

• HPLL

When non-standard signal of VIDEO/S-VIDEO is inputted (VTR, VHD, etc.), horizontal synchronization might be disordered according to connected equipment. In this case, set HPLL to OFF.

2.3. Canceling EXT OPTION

Press "MENU" button on the main unit or remote control unit.

3 Self-Check Mode

This mode is used to narrow down the location of the failure.

3.1. Procedure to enter the self-check mode

Select "SELF CHECK" on "EXT OPTION" menu and press "ENTER" button on the main unit or remote control unit.

3.2. Self Check Display and Contents

Display example

①	SELF CHECK			
②	MM: 1.00	F: 1.00	IM: 1.00	
③	XGA 60			
④	H ***.***Hz	G SAVED	OK	⑮
⑤	V ***.***Hz	U SAVED	OK	⑯
⑥	IRIS	OK	FAN	⑰
⑦	FAN1	OK	FAN2	⑱
⑧	FAN3	OK	FAN4	⑲
⑨	TEMP	OK		⑳
⑩	TEMP1	***	TEMP1	㉑
⑪	TEMP2	***	TEMP2	㉒
⑫	LAMP	OK	2000H	㉓
⑬	TOTAL	****H	RESET	㉔
⑭	****H**	****	****H**	
⑮	****H**	****	****H**	
⑯	****H**	****	****H**	

★ This display is an example and the display contents depend on the input signal mode.

- The result of items "G SAVED" and "U SAVED", "OK" is displayed for OK and "NG" is displayed for NG.
- The result of items "IRIS", "FAN", "FAN1", "FAN2", "FAN3", "FAN4", "TEMP", "LAMP" and "2000H", the OK display becomes red characters when shutting down because abnormality happened last time.

	Display Contents	Remarks
①	Microcomputer / FPGA / IRIS Control Microprocessor Software Version Display *1	Microcomputer (IC1010), FPGA (IC1032) and IRIS control microprocessor (IC1143) software versions are shown from the left.
②	Signal Name	Different display according to the input signal
③	Horizontal Signal Frequency	RGB or YPbPr (YCbCr) signal reception only
④	Vertical Signal Frequency	RGB or YPbPr (YCbCr) signal reception only
⑤	Iris Abnormality Check	It is distinguished whether the iris operates normally.
⑥	FAN1 Error Information	FAN1 (Power fan) Error
⑦	FAN3 Error Information	FAN3 (Intake fan) Error
⑧	Temperature Abnormality Check	Cause of Lamp Malfunction
⑨	Thermosensor 1 A/D conversion value (0 - 255) *2	Current temperature around the LCD panel
⑩	Thermosensor 2 A/D conversion value (0 - 255) *2	Current temperature around the air intake slot (Detects air filter's choke, etc.)
⑪	Lamp Abnormality Check	Cause of Lamp Malfunction
⑫	Total Usage Time	Projector Cumulative Usage Time
⑬	Lamp ON - Cumulative Usage Time / Frequency / Cumulative Usage Time	Current
⑭		Second
⑮		First
⑯	Gamma Correction Data Check	It is distinguished whether gamma data is stored in the flash ROM.
⑰	Color Unevenness Correction Data Check	It is distinguished whether color unevenness correction data is stored in the flash ROM.
⑱	Fan Stop Check	Cause of Lamp Malfunction
⑲	FAN2 Error Information	FAN2 (Exhaust fan) Error
⑳	FAN4 Error Information	FAN4 (PBS fan) Error
㉑	Thermosensor 1 A/D conversion value (0 - 255) *2	Temperature around the LCD panel when the last thermal shutdown occurs
㉒	Thermosensor 2 A/D conversion value (0 - 255) *2	Temperature around the air intake slot when the last thermal shutdown occurs
㉓	Lamp - Judgment for Cumulative Usage more than 2 000 h *3	Judgment for Replacement Time of Lamp
㉔	Lamp - Reset Frequency of Cumulative Usage Time	Reset Frequency (0 - 255)

*1 FPGA (Field Programmable Gate Array)

LSI that is rewritable quickly while inspecting the program by system designer. (This will be able to reduce the development time.)

*2 When detected abnormal temperature (high temperature around the LCD panel, large difference between temperature at the air intake slot and temperature around the LCD panel), TEMP indicator turned on. If arriving at the critical temperature, the power supply will shut down automatically (thermal shutdown) and the indicator will flash.

*3 Warning of the lamp cumulative usage time and shutdown use the conversion time for 165 W.

3.3. Canceling the self-check mode

Press "MENU" button on the main unit or remote control unit.

4 Flicker Adjustment Mode

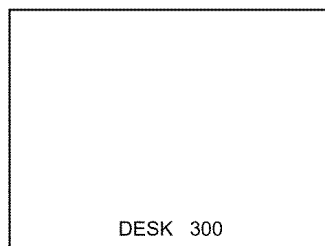
If replacing the optical parts (LCD Panel / LCD block) or A-P.C.Board of this projector, enter the flicker adjustment mode and minimize the flicker.

4.1. Procedure to enter the adjustment mode

Select "FLICKER ADJUST" on "EXT OPTION" menu and press "ENTER" button on the main unit or remote control unit.

Note:

"DESK setting (red)" is displayed when entering the adjustment mode.



Adjustment Display when DESK setting

4.2. Adjustment Display and Contents

- Setting value is increased and decreased with the right-arrow " ► " and left-arrow " ◀ " buttons.
 - " ◀ ": Decrease, " ► ": Increase
 - Adjust the setting value to minimize the flicker on the screen.
 - Execute the adjustment by 6 patterns below.
- The pattern (adjustment display) is switched with the up-arrow " ▲ " and down-arrow " ▼ " buttons.
 - " ▲ ": Forward direction, " ▼ ": Reverse direction
 - There are 6 patterns of "DESK setting (red)", "DESK setting (blue)", "DESK setting (green)", "CEILING setting (red)", "CEILING setting (blue)" and "CEILING setting (green)".
 - The setting value is saved into this projector when the pattern is switched.

4.3. Canceling the flicker adjustment mode

Press "MENU" button on the main unit or remote control unit.

Note:

When "MENU" button is pressed, the setting value at that time is saved into this projector and the adjustment mode is canceled.

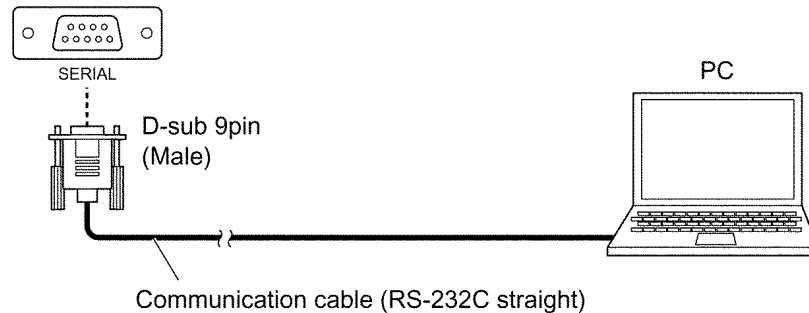
5 Using the SERIAL Connector

The serial connector which is on the back connector panel of the projector conforms to RS-232C standard. This projector can be controlled by a PC which is connected as shown in "5.1. Connection".

For controlling this projector by a PC, requires communication software on the market, and inputs control commands according to communication settings and basic format below.

5.1. Connection

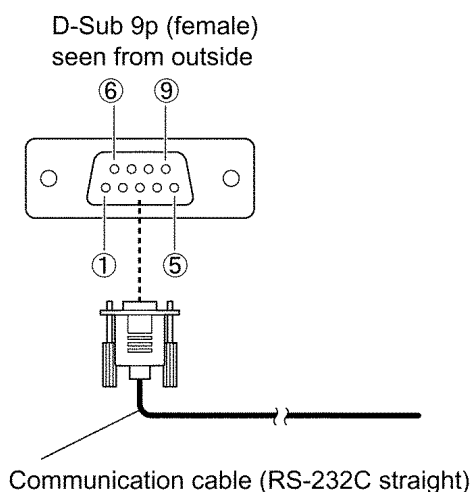
〈Back connector panel of the projector〉



Note:

Use a proper communication cable which is suitable for the PC to connect SERIAL connector and the PC.

5.2. Pin Layout and Signal Names for SERIAL Connector



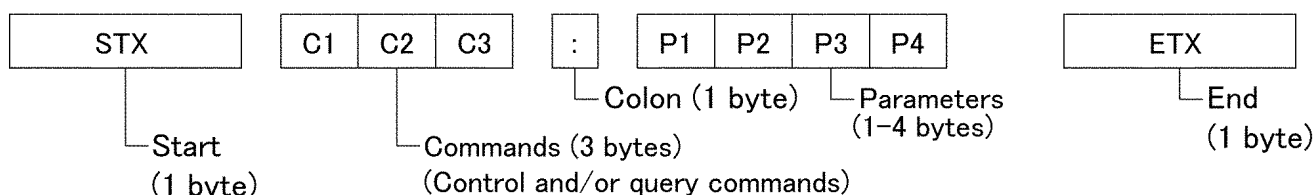
Pin No	Signal Name	Contents
1	---	NC
2	TXD	Transmit data
3	RXD	Receive data
4	---	NC
5	GND	Ground
6	DSR	Connected internally
7	CTS	
8	RTS	
9	---	NC

5.3. Communication Settings

Signal Level	Contents		Description
Sync. method	Conforms to RS-232C standard	Asynchronous	Synchronizes every 1 character (8 bits)
Baud rate		9 600 bps	Data transfer speed
Parity		None	Error detection method
Character length		8 bits	Number of bit composing 1 character
Stop bit		1 bit	Uses stop bit when asynchronous method
X parameter		Not used	
S parameter		Not used	

5.4. Basic Format

The data sent from the PC to the projector is transmitted in the format shown below.



Notes:

- If sending multiple commands, check that a call back has been received from the projector for 1 command before sending the next command.
- When a command which does not require parameters is sent, the colon (:) is not required.

5.5. Control / Query Commands

Control Commands

Command Name (Parameter format is shown in <>)	Function / Contents	Call back from Projector (Parameter format is shown in <>)	Minimum Value of Parameter	Maximum Value of Parameter
PON *	POWER ON	PON		
POF *	POWER OFF	POF		
IIS :<input signal>	INPUT SELECT	IIS :<input signal>	—	—
OFZ :<off_on>	FREEZE	OFZ :<off_on>	0	1
OEN :	ENTER	OEN		
VPM :<picture mode>	PICTURE MODE	VPM :<picture mode>	—	—
<NOR>	NORMAL	<NOR>	—	—
<DYN>	DYNAMIC	<DYN>	—	—
<CN1>	CINEMA1	<CN1>	—	—
<CN2>	CINEMA2	<CN2>	—	—
<CN3>	CINEMA3	<CN3>	—	—
<NAT>	COLOR1	<NAT>	—	—
<VID>	COLOR2	<VID>	—	—
OMN	MENU	OMN		
OCU	CURSOR UP	OCU		
OCD	CURSOR DOWN	OCD		
OCL	CURSOR LEFT	OCL		
OCR	CURSOR RIGHT	OCR		
OSH *	SHUTTER	OSH		
OST	DEFALT	OST		
OVM	PIC.MODE	OVM		
VS1	ASPECT	VS1		
OBK	RETURN	OBK		
OLE	LENS	OLE		
OOT :<off_timer>	OFF TIMER	OOT :<off_timer>	0	7
OWM :<x>	WAVEFORM	OWM :<x>	0	8

* Do not transmit the PON, POF and/or OSH commands continuously in a short time.
The lamp may be damaged and/or cause malfunctions.

Query Commands

Query Command	Contents	Call back from Projector (Parameter format is shown in < >)
QPW QIN QPM	POWER CONDITION INPUT SIGNAL PICTURE MODE	<power condition> <input signal> <NOR>=NORMAL <DYN>=DYNAMIC <CN1>=CINEMA1 <CN2>=CINEMA2 <CN3>=CINEMA3 <NAT>=COLOR1 <VID>=COLOR2
QFZ QOT QSH	FREEZE OFF TIMER SHUTTER	<off_on> <off_timer> <off_on>

Parameters

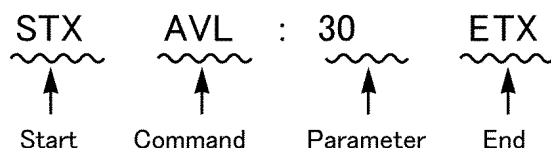
Parameter Format	Parameter Size (Byte)	Parameter Definition
<off_on>	1	0=OFF, 1=ON
<input signal>	3	VID = VIDEO, SVD = S-VIDEO, RG1 = PC, YUV = YP _B PR (PT-AE1000E only), HD1 = HDMI 1, HD2 = HDMI 2, CP1 = YP _B PR1 (PT-AE1000U only), CP2 = YP _B PR2 (PT-AE1000U only), SCT = SCART (PT-AE1000E only)
<power condition>	3	000=Power OFF, 001=Power ON
<off_timer>	1	0 = OFF, 1 = 60 min, 2 = 90 min, 3 = 120 min, 4 = 150 min, 5 = 180 min, 6 = 210 min, 7 = 240 min
<x>	1	0 = OFF, 1 = All Lines (Y), 2 = All Lines (R), 3 = All Lines (G), 4 = All Lines (B), 5 = Line Selection (Y), 6 = Line Selection (R), 7 = Line Selection (G), 8 = Line Selection (B)

* If an incorrect command is sent from the PC, the "ER401" command will be sent from the projector to the PC.

[Example]

When controls the audio volume to +30 by a PC

(Sends commands as the following:)



- When a command which does not require parameters is sent, the colon (:) is not required.

5.6. Communication Cable Specifications

At the projector		At the PC (DTE)	
1	NC	NC	1
2			2
3			3
4	NC	NC	4
5			5
6	DSR	NC	6
7			7
8			8
9	NC	NC	9

5.7. Signal Selector Connecting Cable Specifications

When connecting to a signal selector (ex. TW-SWS62J), use a cable with specifications below.

Connecting method: Connects a video signal cable from the signal selector to "VIDEO IN", and an RGB signal cable to "PC IN".

At the signal selector D-sub 9p (male)			At the projector (DCE) D-sub 9p (male)		
Signal Name		Pin No.	Pin No.	Signal Name	
NC		1	1	NC	
RD	Receive data	2	2	SD	Transmit data
SD	Transmit data	3	3	RD	Receive data
NC		4	4	NC	
GND	Ground	5	5	GND	Ground
NC		6	6	DSR	
RS	Transmit request	7	7	CS	Transmit permission
CS	Transmit permission	8	8	RS	Transmit request
NC		9	9	NC	

Note:

Set VP control terminal switch of the signal selector to VP TYPE "B".

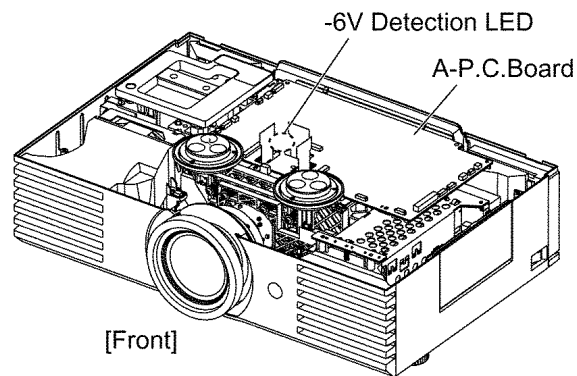
6 Disassembly Instructions

Warning:

- Be sure to unplug the power cord from the power outlet before disassembling this projector.

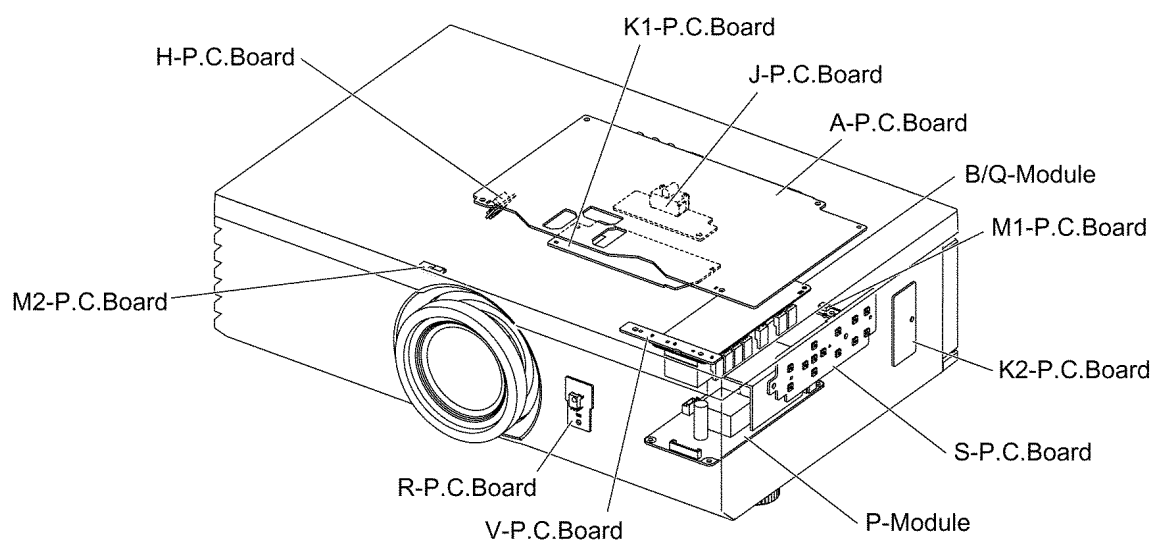
Caution:

- While turning over a printed circuit board, be sure to put a insulating material under it to prevent a short circuit.
- Printed circuit boards and wires must not be pulled forcibly, but be handled carefully.
- Connectors also must be handled carefully.
- When reassembling, replace used adhesive tape with new one (Do not re-use used tape).
- After repairing this projector, be sure to put back the wires and connectors to the original condition.
- After disassembling or repairing this projector, do the following confirmation work for LCD panels damage prevention.
 1. Disconnect 3 flexible cables of LCD Panels (R/G/B).
 2. Turn ON the power and confirm the -6V detection LED (D1031) lights.
(If it does not light, check and repair the -6V circuit.)
 3. Turn OFF the power and connect the 3 flexible cables of LCD Panels.

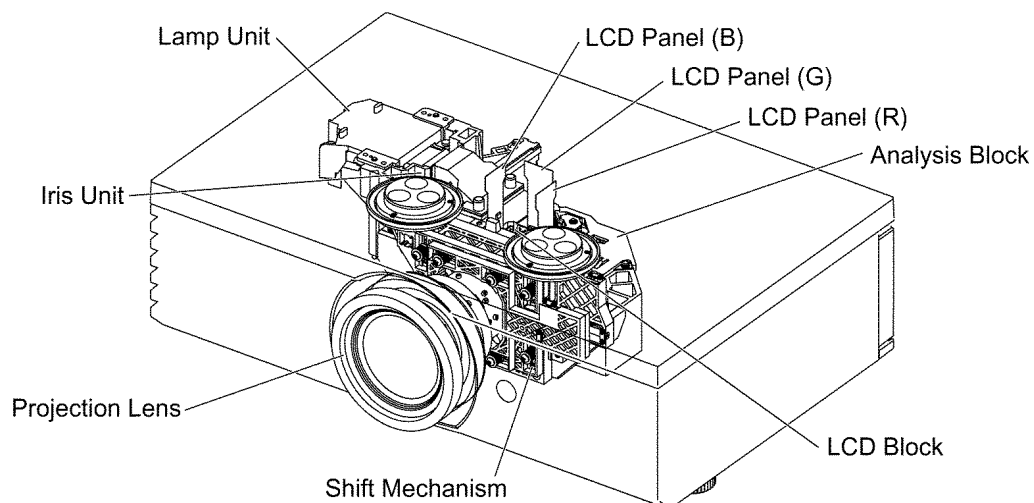


6.1. Printed Circuit Board and Main Parts Location

Electrical Parts

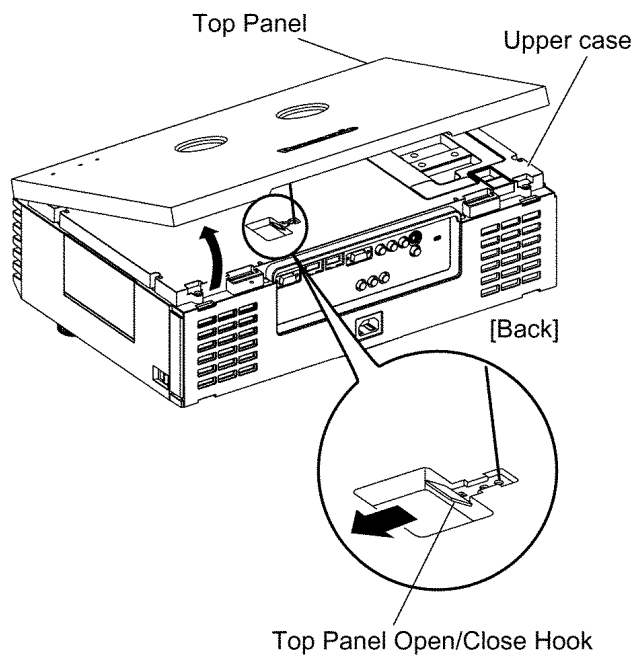


Optical Parts

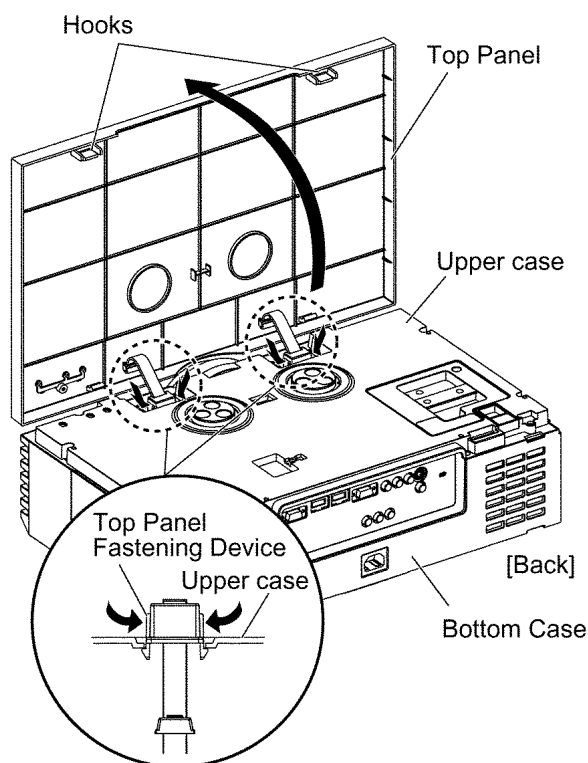


6.2. Removal of Upper Case

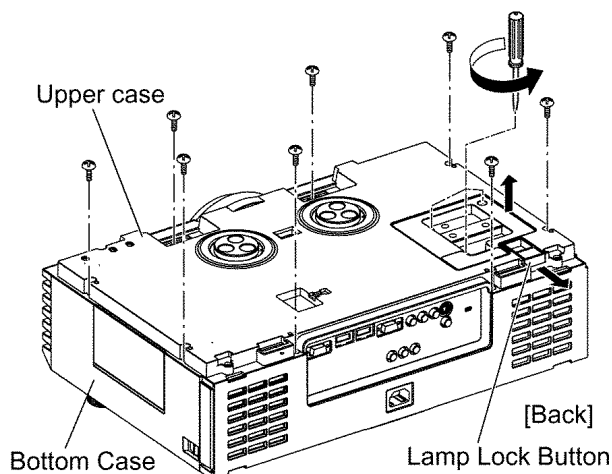
1. Lift the rear side of the top panel and disconnect the top panel Open/Close hook, then open the top panel.



2. While pressing hooks of the 2 top panel fastening devices, remove the top panel.

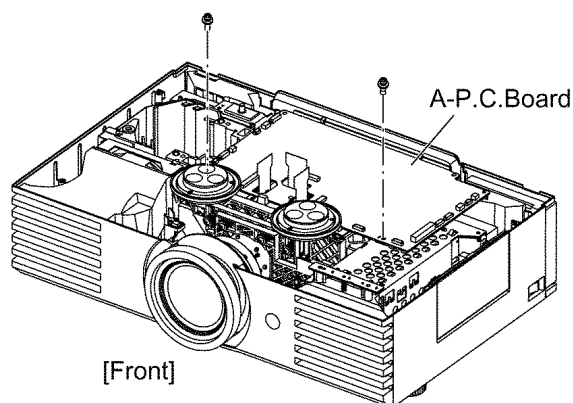


3. Loosen the 3 screws until they idle.
4. Slide the lamp lock button to release, and remove the lamp unit block (with lamp unit cover).
5. Unscrew the 8 screws and remove the upper case.

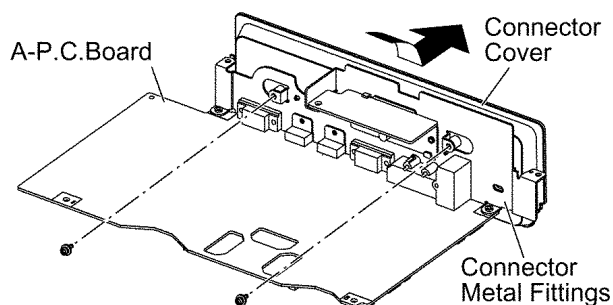


6.3. Removal of A-P.C.Board

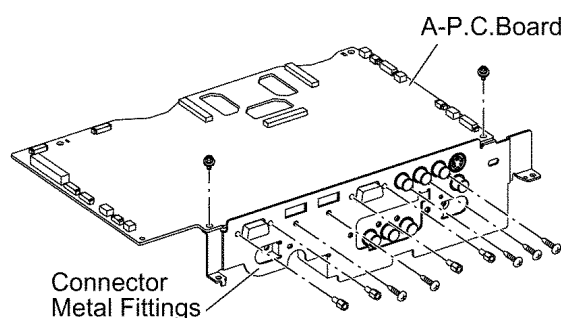
1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.



3. Unscrew the 2 screws and remove the connector cover.

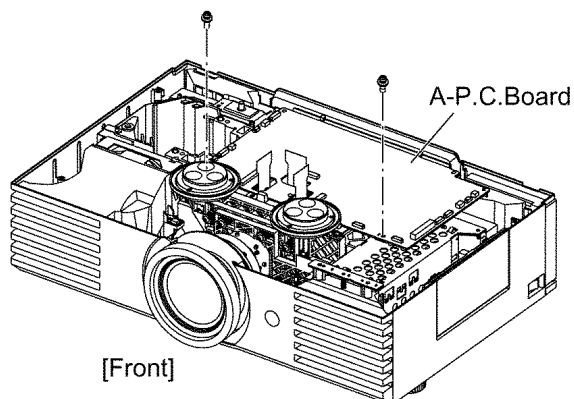


4. Unscrew the 11 screws and remove the A-P.C.Board.

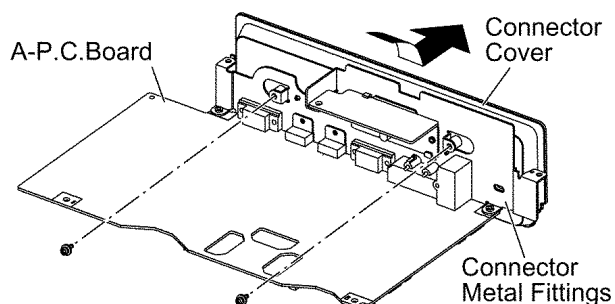


6.4. Removal of J-P.C.Board

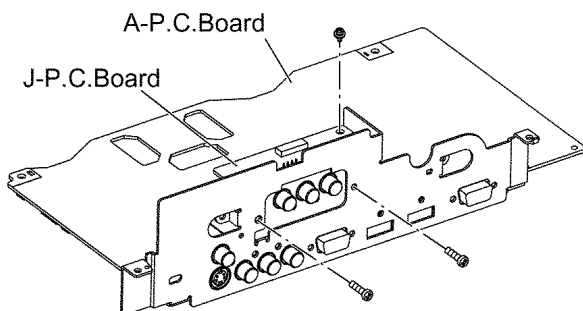
1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.



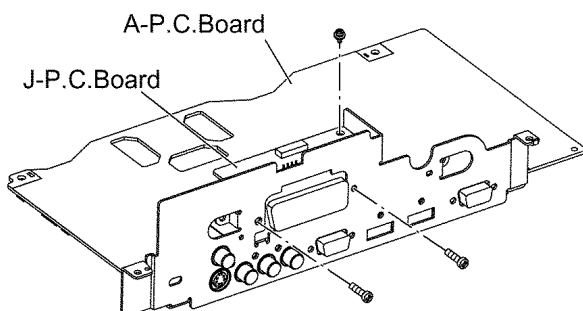
3. Unscrew the 2 screws and remove the connector cover.



4. Unscrew the 3 screws and remove the J-P.C.Board.
[PT-AE1000U]

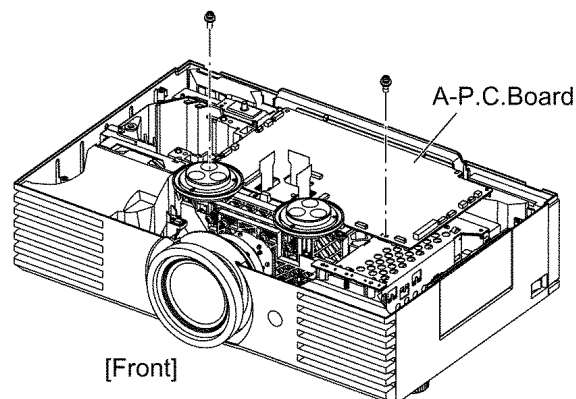


[PT-AE1000E]

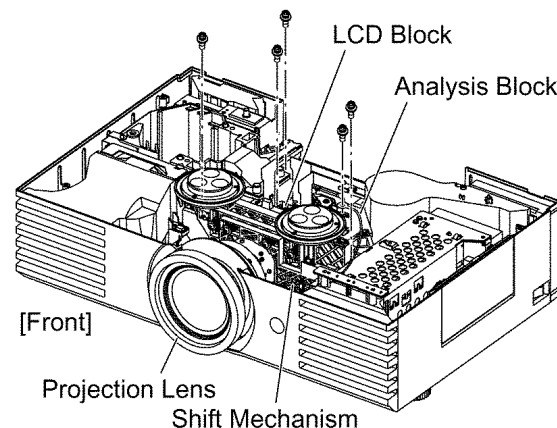


6.5. Removal of K1-P.C.Board

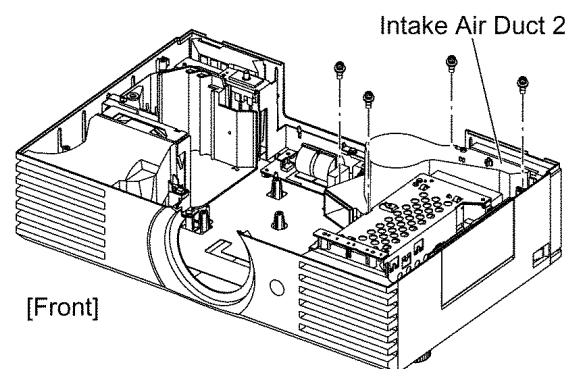
1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.



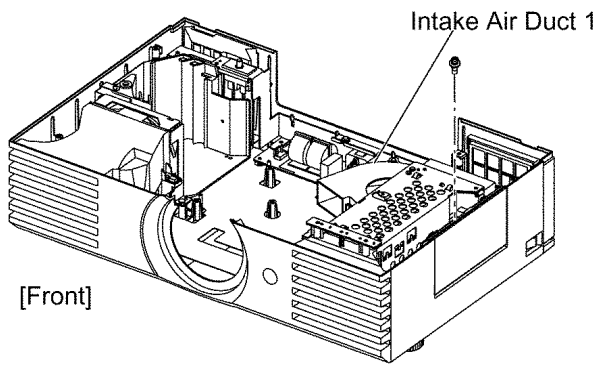
3. Unscrew the 1 screw and release the grounding terminal.
4. Unscrew the 4 screws and remove the block of Analysis Block, LCD Block, Shift Mechanism and Projection Lens.



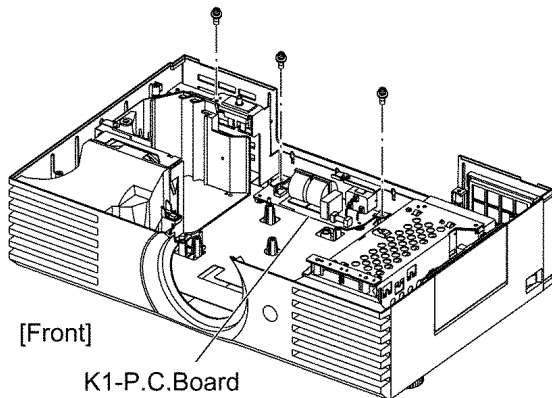
5. Unscrew the 4 screws and remove the intake air duct 2.



6. Unscrew the 1 screw and remove the intake air duct 1.

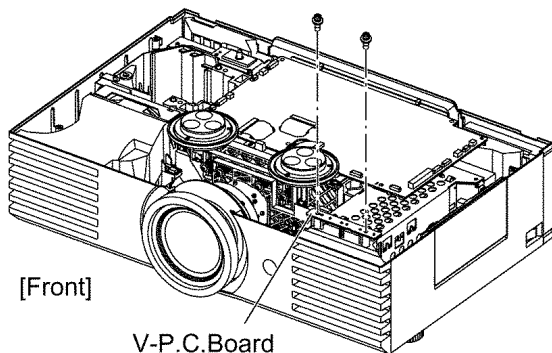


7. Unscrew the 3 screws and remove the K1-P.C.Board.



6.6. Removal of R-P.C.Board

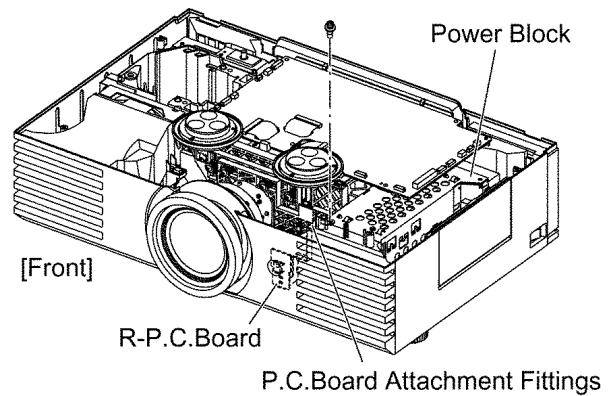
1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the V-P.C.Board.



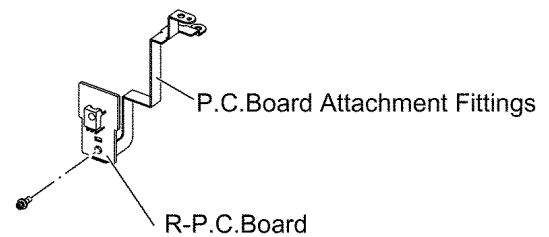
3. Unscrew the 1 screw and remove the P.C.Board attachment fittings with R-P.C.Board.

Note:

- R-P.C.Board is secured. Be careful not to apply excessive force.

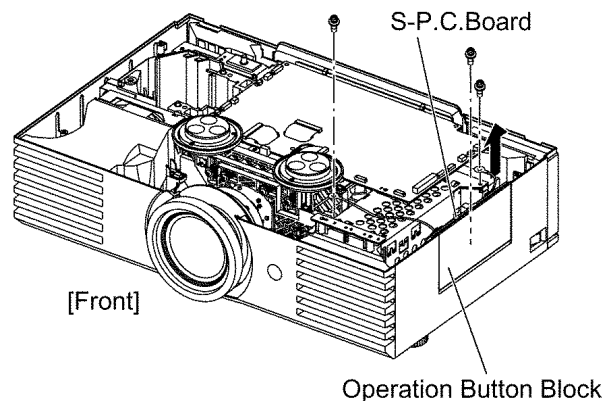


4. Unscrew the 1 screw and remove the R-P.C.Board.

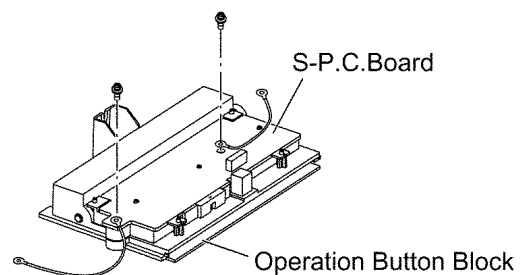


6.7. Removal of S-P.C.Board

1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and release the grounding terminal.
3. Unscrew the 1 screw and remove the operation button block.



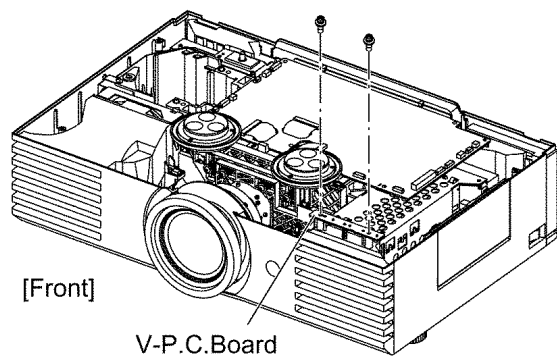
4. Unscrew the 2 screws and remove the S-P.C.Board.



6.8. Removal of V-P.C.Board

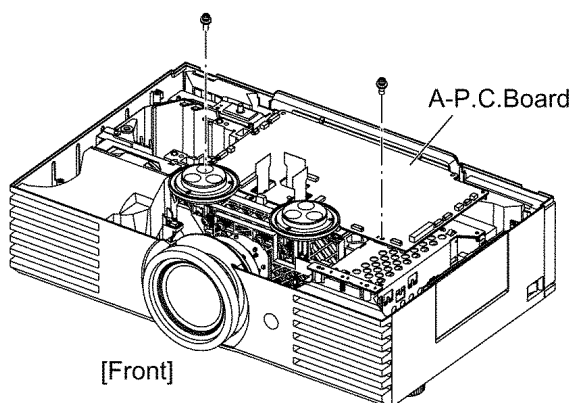
1. Remove the upper case according to the section 6.2. "Removal of Upper Case".

2. Unscrew the 2 screws and remove the V-P.C.Board.

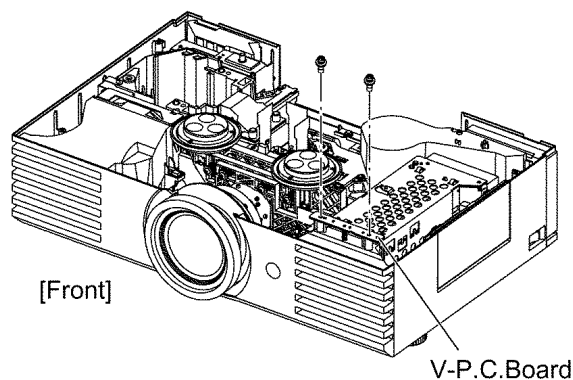


6.9. Removal of B/Q-Module

1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.



3. Unscrew the 2 screws and remove the V-P.C.Board.

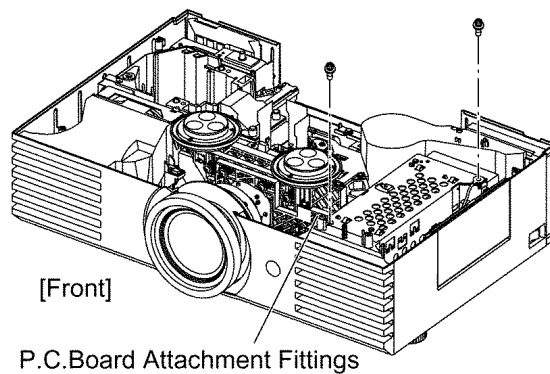


4. Unscrew the 1 screw and remove the P.C.Board attachment fittings with R-P.C.Board.

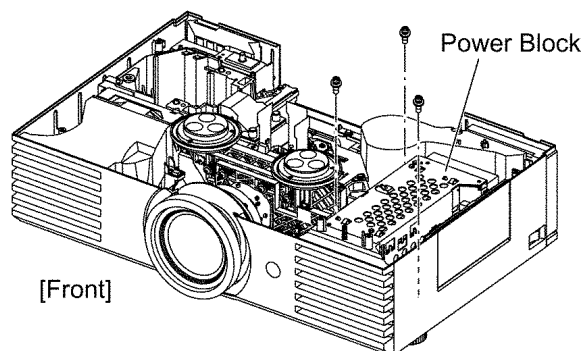
Note:

- R-P.C.Board is secured. Be careful not to apply excessive force.

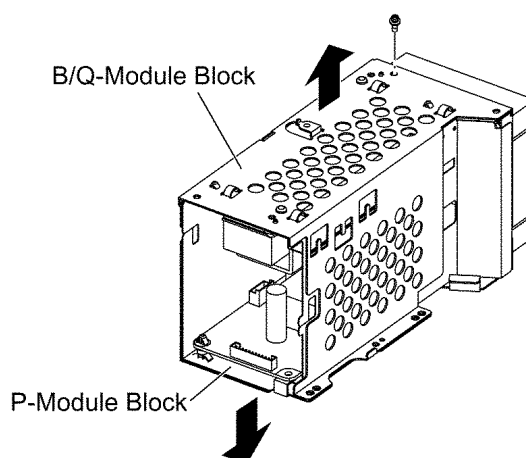
5. Unscrew the 1 screw and release the grounding terminal.



6. Unscrew the 3 screws and remove the power block (B/Q-Module and P-Module).

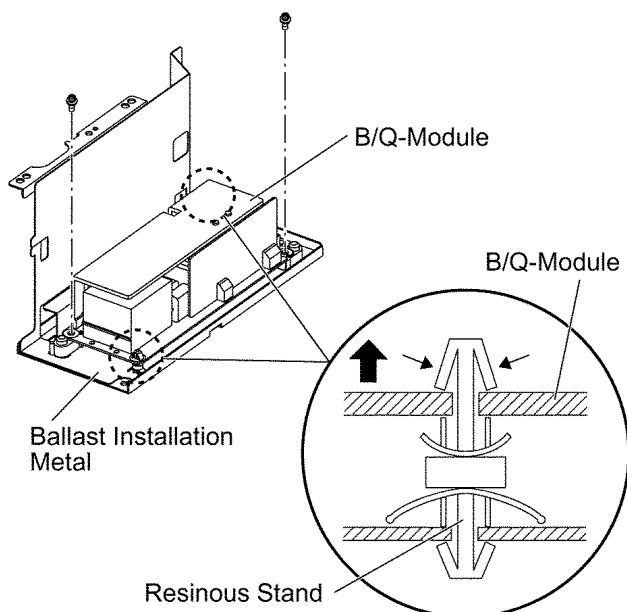


7. Unscrew the 1 screw and separate the B/Q-Module block and P-Module block.



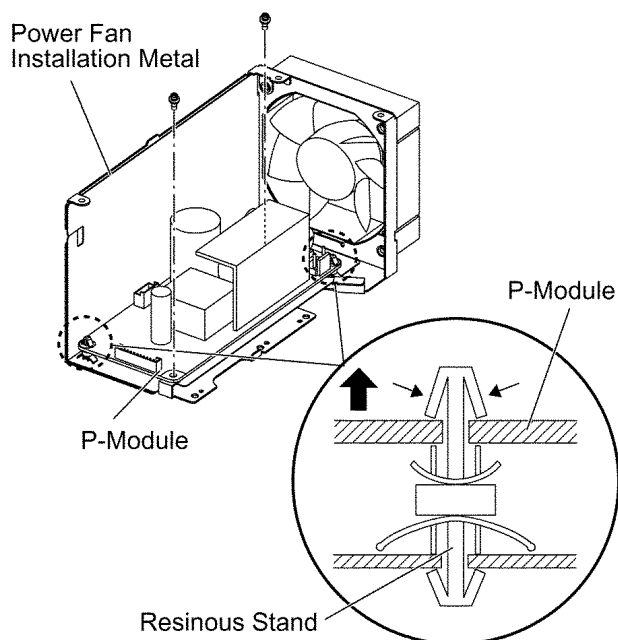
8. Unscrew the 2 screws.

9. While pressing to shut each hook of the 2 resinous stands, remove the B/Q-Module.



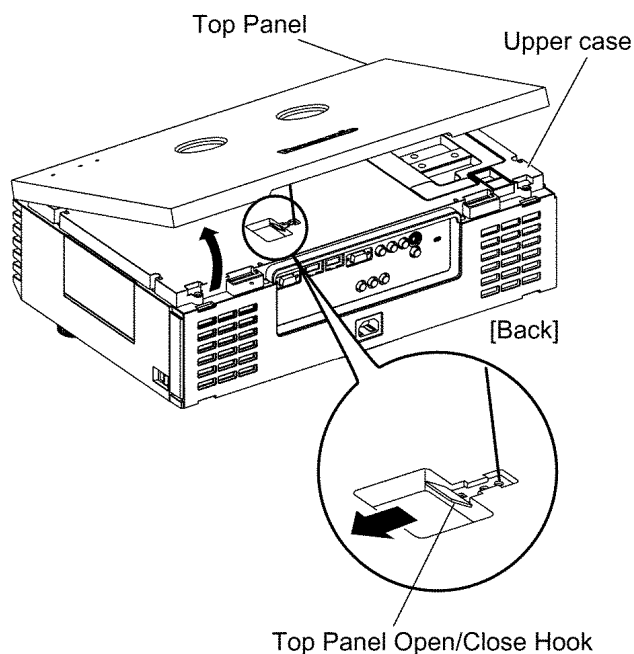
6.10. Removal of P-Module

1. Remove the P-Module block according to the steps 1 through 7 in the section 6.9. "Removal of B/Q-Module".
2. Unscrew the 2 screws.
3. While pressing to shut each hook of the 2 resinous stands, remove the P-Module.

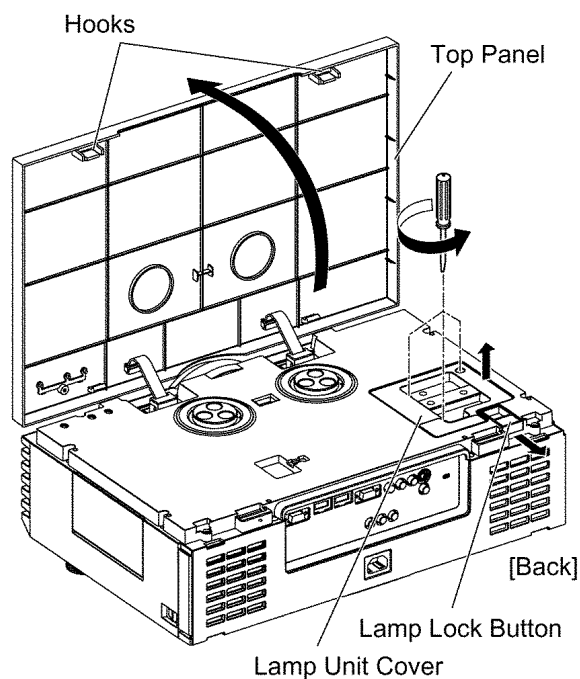


6.11. Removal of Lamp Unit

1. Lift the rear side of the top panel and disconnect the top panel Open/Close hook, then open the top panel.

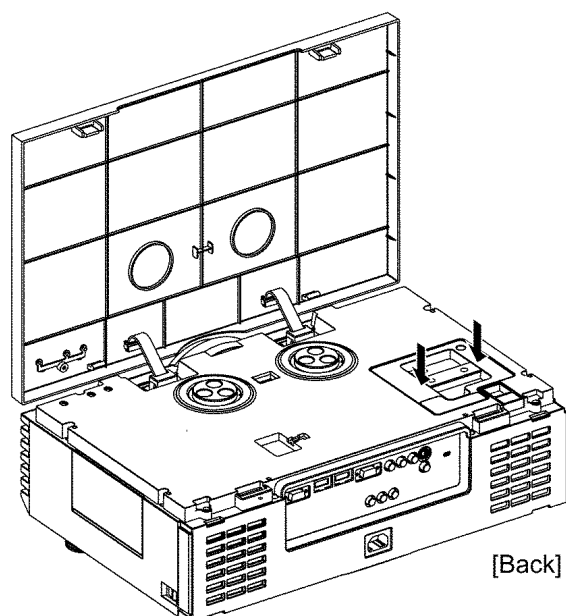


2. Loosen the 3 screws until they idle.
3. Slide the lamp lock button to release, and remove the lamp unit block (with lamp unit cover).



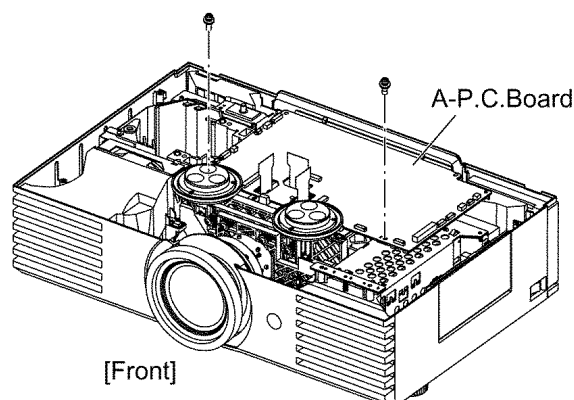
Note:

- When installing the lamp unit in the main unit, place it in a specified position and press the connector side and the opposite side of the lamp unit (arrow positions shown in the figure below), and confirm the lamp unit is inserted securely. Then, tighten the 3 screws fixing the lamp unit cover.

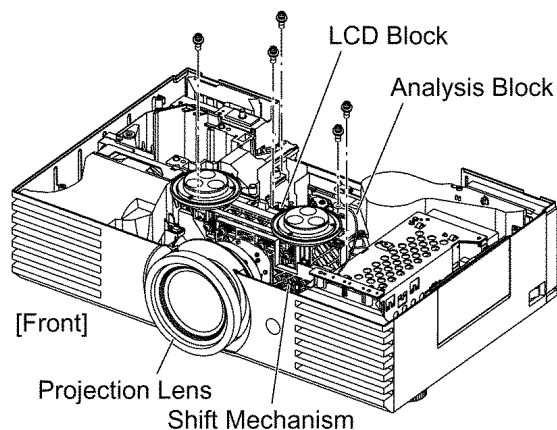


6.12. Removal of Analysis Block

1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.



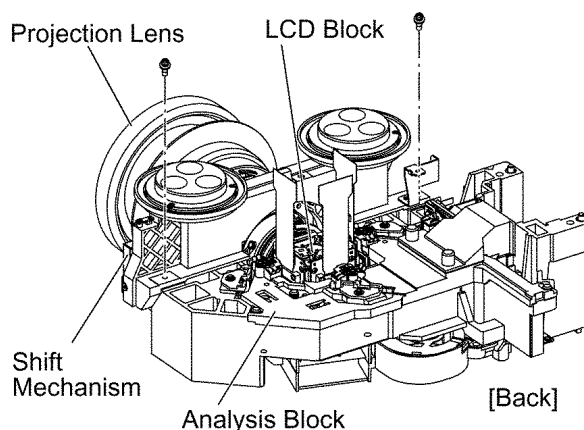
3. Unscrew the 1 screw and release the grounding terminal.
4. Unscrew the 4 screws and remove the block of Analysis Block, LCD Block, Shift Mechanism and Projection Lens.



5. Unscrew the 2 screws and remove the block of LCD Block, Shift Mechanism and Projection Lens.

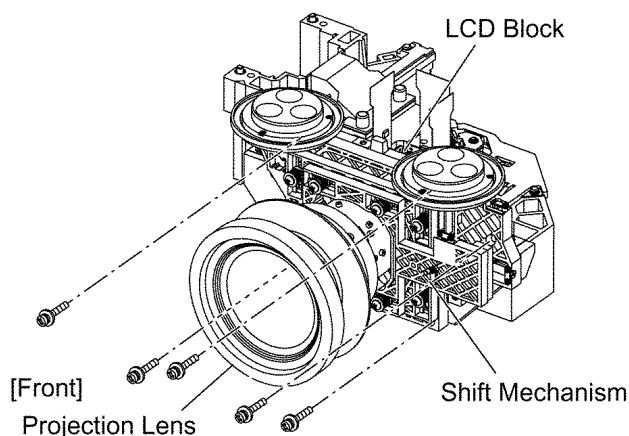
Note:

- There is not enough space between the analysis block and LCD block. Be careful not to damage nor dirty precision components (LCD panel, phase difference board, etc.) when removing.

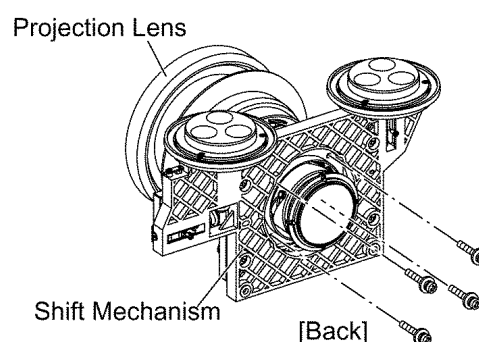


6.13. Removal of LCD Block / Projection Lens

1. Remove the block of LCD Block, Shift Mechanism and Projection Lens according to the section 6.12. "Removal of Analysis Block".
2. Unscrew the 5 screws, and separate the LCD block and block of Shift Mechanism and Projection Lens.



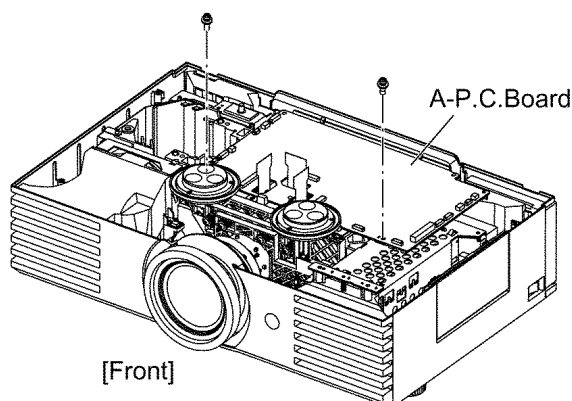
3. Unscrew the 4 screws and remove the projection lens .



6.14. Replacement of Phase Difference Board

The procedure is described as an example of phase difference board (G).

1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.



3. Mark positions of the phase difference board (G).

Note:

- Mark accurately as possible because the marks will be used for resetting the phase difference board position.

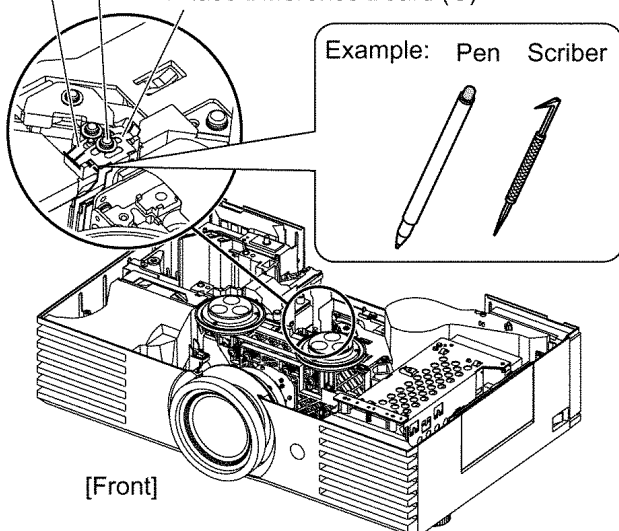
4. Unscrew the 1 screw and remove the phase difference board (G).
5. Attach a new phase difference board and align it with the mark.
6. Tighten the 1 screw with care not to move the phase difference board position.

Incidence Polarizer (G)

Screw fixing Phase Difference Board (G)

Phase Difference Board (G)

Example: Pen Scriber



6.15. Replacement of Incidence Polarizer

The procedure is described as an example of incidence

polarizer (G).

1. Remove the phase difference board according to the steps 1 through 4 in the section 6.14. "Replacement of Phase Difference Board".
2. Mark positions of the incidence polarizer (G).

Note:

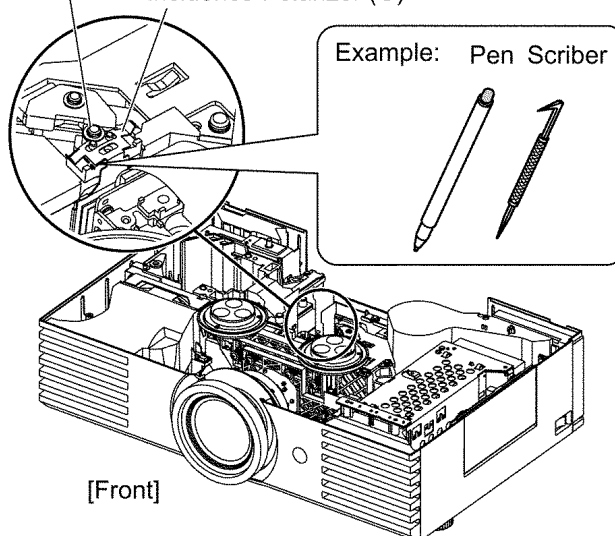
- Mark accurately as possible because the marks will be used for resetting the incidence polarizer position.

3. Unscrew the 1 screw and remove the incidence polarizer (G).
4. Attach a new incidence polarizer and align it with the mark.
5. Tighten the 1 screw with care not to move the incidence polarizer position.

Screw fixing Incidence Polarizer (G)

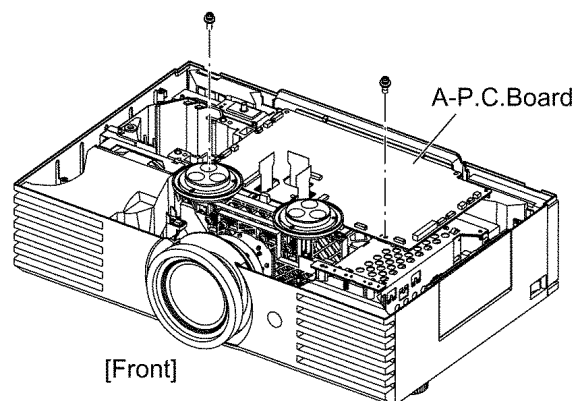
Incidence Polarizer (G)

Example: Pen Scriber



6.16. Replacement of PBS Array (Analysis Block)

1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Unscrew the 2 screws and remove the A-P.C.Board block.

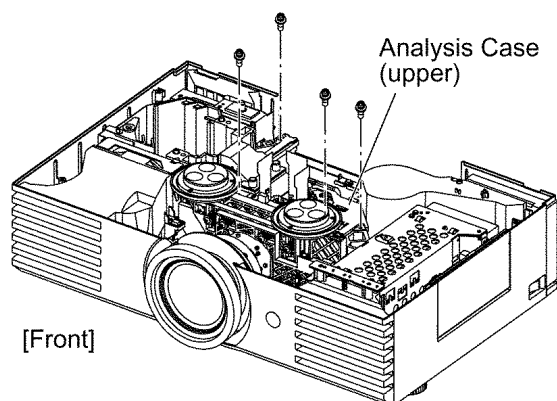


3. Unscrew the 4 screws and remove the analysis case (upper).

Note:

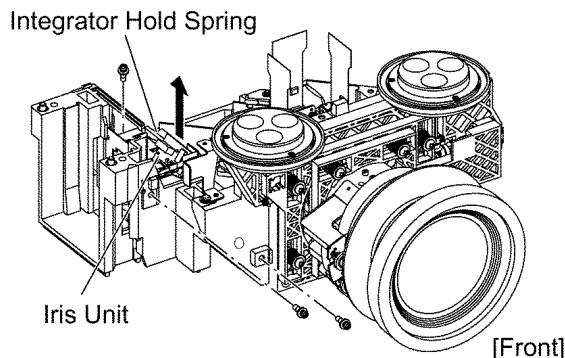
- The incidence polarizer and phase difference board

are installed in the analysis case (upper). Be careful not to shift the installation positions nor damage them.



3. Unscrew the 1 screw and remove the integrator hold spring.

4. Unscrew the 2 screws and remove the iris unit .

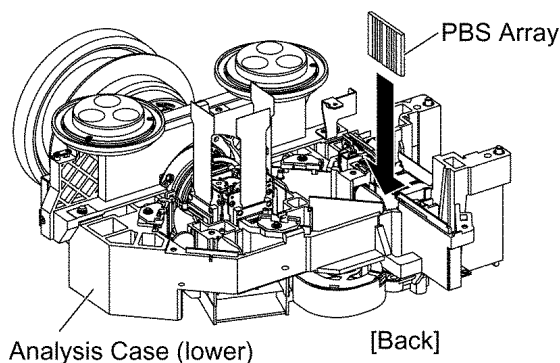


4. Remove the PBS array.

5. Install new PBS array.

Note:

- Be careful not to mistake the direction (inside/outside, upper/lower).
- Be careful not to touch the surface of PBS array.



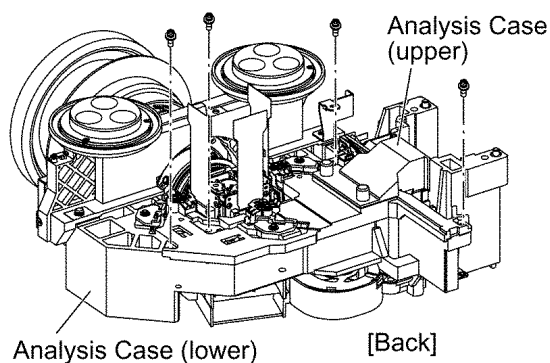
6.17. Removal of Iris Unit

1. Remove the analysis block according to the steps 1 through 4 in the section 6.12. "Removal of Analysis Block".

2. Unscrew the 4 screws and remove the analysis case (upper).

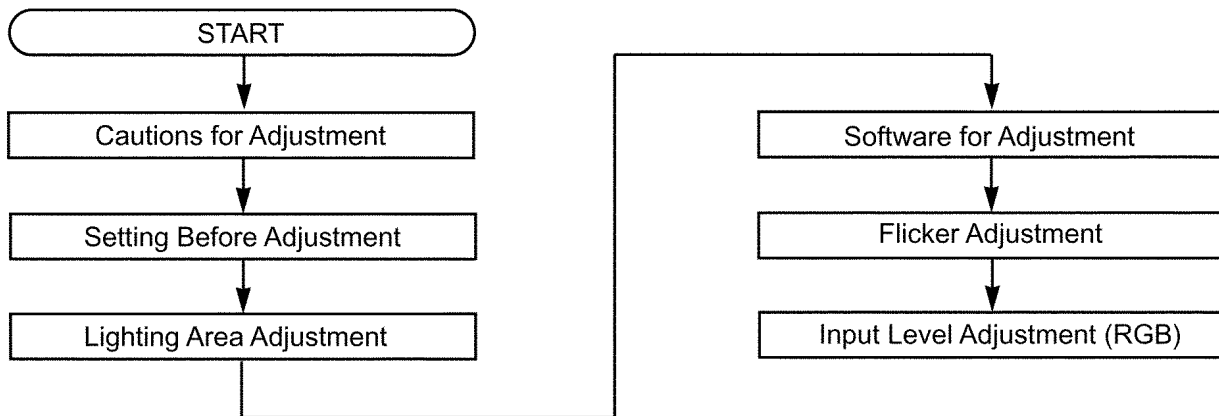
Note:

- The incidence polarizer and phase difference board are installed in the analysis case (upper). Be careful not to shift the installation positions nor damage them.



7 Measurement and Adjustments

7.1. Adjustment Procedure Flowchart

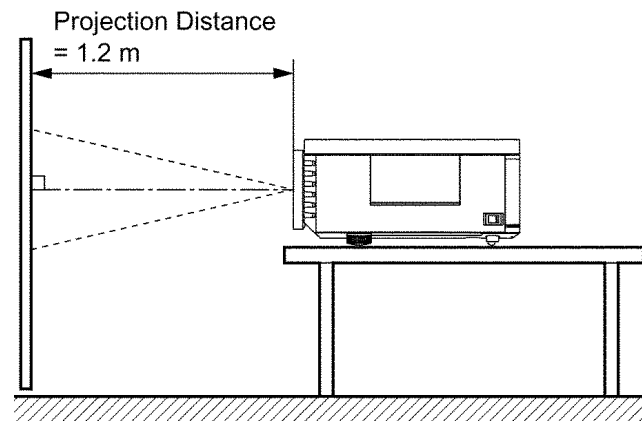


7.2. Cautions for Adjustment

- Never turn off the MAIN POWER switch until every fan completely stops.
- To maintain and ensure safety, always use the designated components for replacement parts.
- If removing any clamps, lead wires or connectors, always place them back in their proper locations.
- Be careful not to damage the lead wires or components when using a soldering iron or similar tool.

7.3. Setting Before Adjustment

- Set up the projector to obtain the projection distance below.
- Turn the zoom ring of the projector to obtain the largest size of the picture.



7.4. Lighting Area Adjustment

7.4.1. Tools to be used

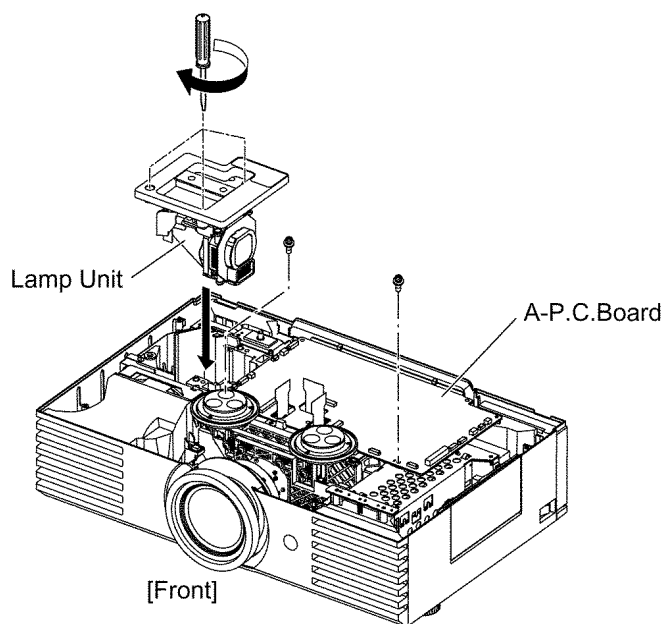
Service Kit: This kit is composed of 3 extension flexible cables and 5 connector extension cables.

Note:

- Consult your dealer or Authorized Service Center for the service kit.

7.4.2. Preparation

1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
2. Install the lamp unit block (with lamp unit cover) and tighten the 3 screws fixing the lamp unit cover.
3. Unscrew the 2 screws fixing the A-P.C.Board.



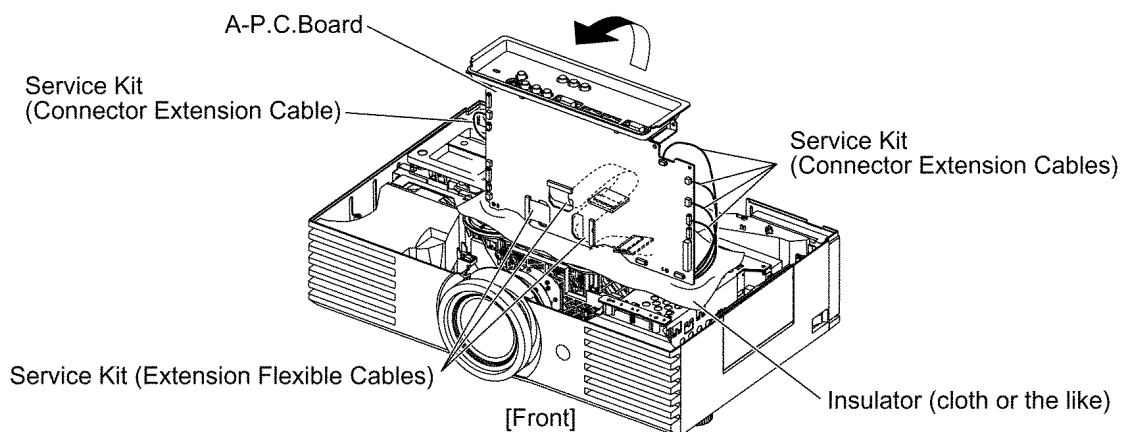
4. Connect the service kit (extension cables).

- Each flexible cable of LCD Panels (R/G/B) - Connectors (A1/A2/A3) on A-P.C.Board
- Intake fan connector - Connector (A15) on A-P.C.Board
- Power fan connector - Connector (A16) on A-P.C.Board
- PBS fan connector - Connector (A18) on A-P.C.Board
- Thermosensor (Intake air) connector - Connector (A7) on A-P.C.Board
- S-P.C.Board connector - Connector (A8) on A-P.C.Board

5. Covering with an insulator (cloth or the like) to prevent a short circuit, set the A-P.C.Board block on the main unit.

Note:

- Handle with care not to apply external force to connecting parts which connect the main unit and A-P.C.Board.



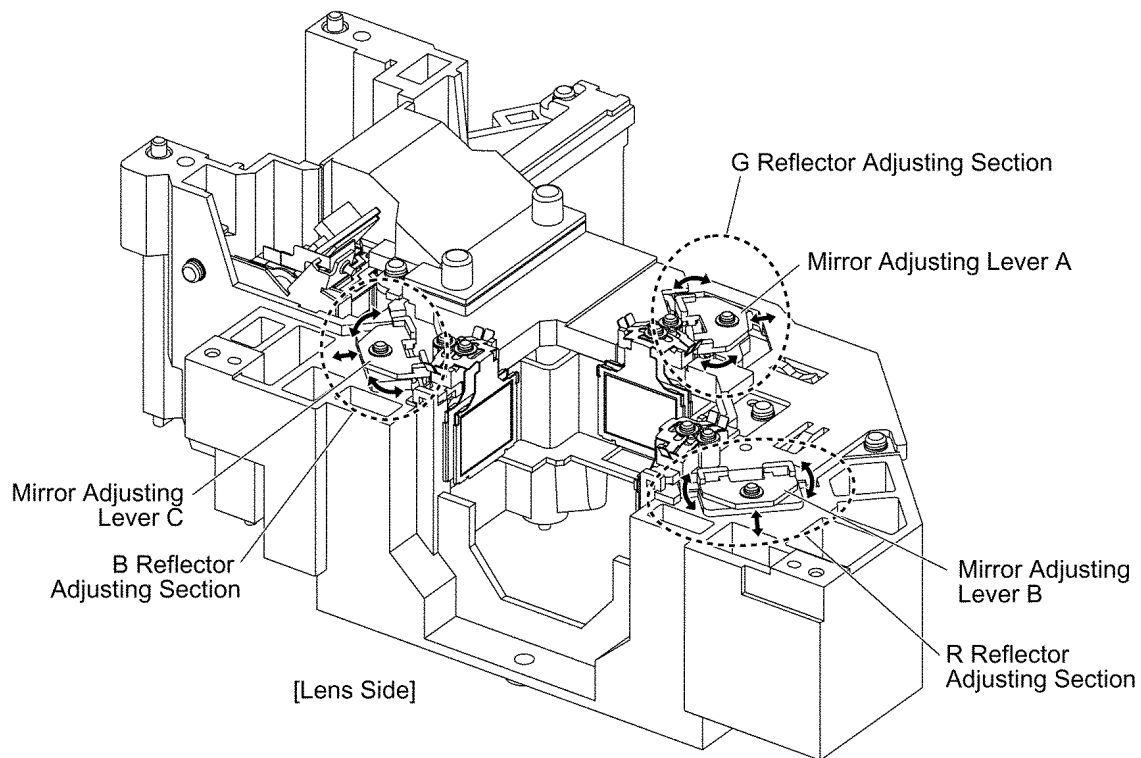
7.4.3. Adjustment Procedure

7.4.3.1. Outline

When the lighting area is off from the adjustment and color unevenness appears, adjust the lighting area into correct position.

Symptom	Measure
Magenta unevenness	G Reflector Adjustment
Cyan unevenness	R Reflector Adjustment
Yellow unevenness	B Reflector Adjustment

- Shifting the mirror adjusting lever horizontally, adjust color unevenness on the screen upper/lower sides.
- Twisting the mirror adjusting lever, adjust color unevenness on the screen right/left sides.



[Above figure is shown only the analysis block for explanation.]

7.4.3.2. G Reflector Adjustment

1. Turn on the power and display 100 % white pattern on the screen.
2. Loosen the 1 screw fixing the mirror adjusting lever A just until the lever can be shifted.
3. Adjust the mirror adjusting lever A position to minimize color unevenness on the screen by shifting the lever in arrow directions.
4. Tighten the 1 screw.

7.4.3.3. R Reflector Adjustment

1. Turn on the power and display 100 % white pattern on the screen.
2. Loosen the 1 screw fixing the mirror adjusting lever B just until the lever can be shifted.
3. Adjust the mirror adjusting lever B position to minimize color unevenness on the screen by shifting the lever in arrow directions.
4. Tighten the 1 screw.

7.4.3.4. B Reflector Adjustment

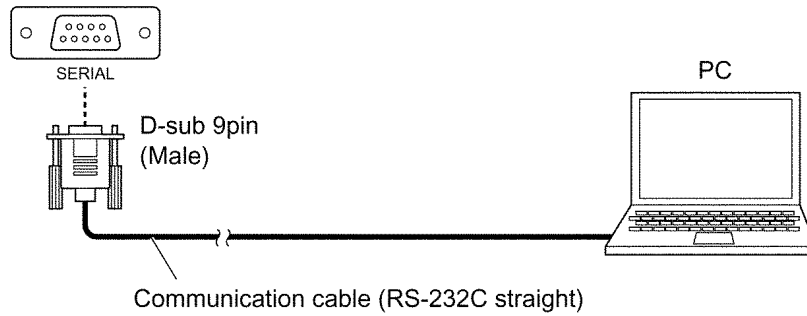
1. Turn on the power and display 100 % white pattern on the screen.
2. Loosen the 1 screw fixing the mirror adjusting lever C just until the lever can be shifted.
3. Adjust the mirror adjusting lever C position to minimize color unevenness on the screen by shifting the lever in arrow directions.
4. Tighten the 1 screw.

7.5. Software for Adjustment

7.5.1. Outline

- This projector needs computer-aided adjustments.
- After the software adjustments, this projector must be turned off and on again to memorize the settings.
- Connect the cable between the projector and a PC as shown below.
- Updating the software will change the version number.

〈Back connector panel of the projector〉



7.5.2. Operating Procedure

1. Run software program by the keyboard entry.

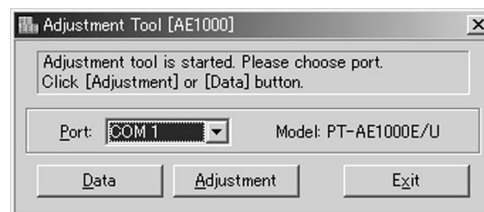
Note:

- Use the software program as below.

Adjustment Tool [AE1000]

2. The first menu is Port selection menu.
3. Adjust the projector by selecting the necessary item from the menu in each stage.

7.5.3. Port Selection Menu



Select the port name of PC which connects with the projector, then click [Data] or [Adjustment] button.

7.5.3.1. Explanation of Buttons

Data:

Displays the data transmission/reception menu.

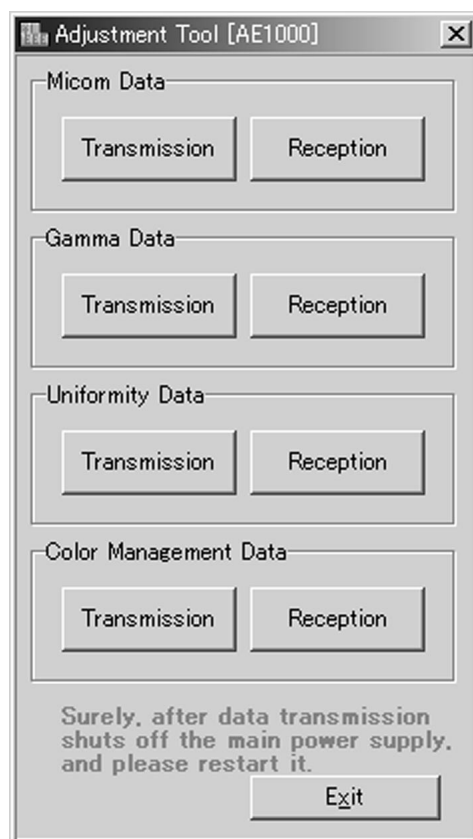
Adjustment:

Displays the adjustment menu.

Exit:

Exits this application.

7.5.4. Data Transmission/Reception Menu



7.5.4.1. Explanation of Buttons

Micom Data Transmission:

Reads the microcomputer data from the file and transmits it to the projector.

Micom Data Reception:

Receives the microcomputer data from the projector and writes it in the file.

Gamma Data Transmission:

Reads the gamma data from the file and transmits it to the projector.

Gamma Data Reception:

Receives the gamma data from the projector and writes it in the file.

Uniformity Data Transmission:

Reads the color unevenness correction data from the file and transmits it to the projector.

Uniformity Data Reception:

Receives the color unevenness correction data from the projector and writes it in the file.

Color Management Data Transmission:

Reads the color management data from the file and transmits it to the projector.

Color Management Data Reception:

Receives the color management data from the projector and writes it in the file.

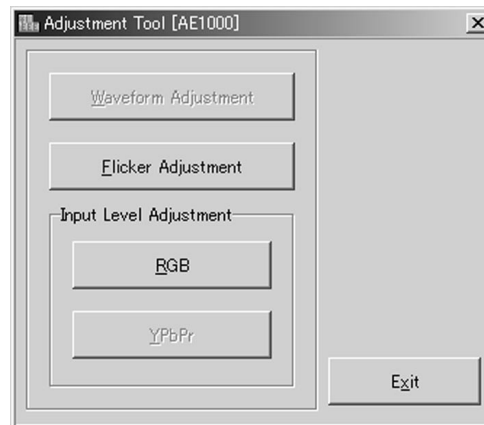
Exit:

Exits this application.

7.5.4.2. Receiving and transmitting of the data

Click a target button and specify a file name.

7.5.5. Adjustment Menu



7.5.5.1. Explanation of Buttons

Flicker Adjustment:

Displays Flicker Adjustment menu.

Input Level Adjustment [RGB]:

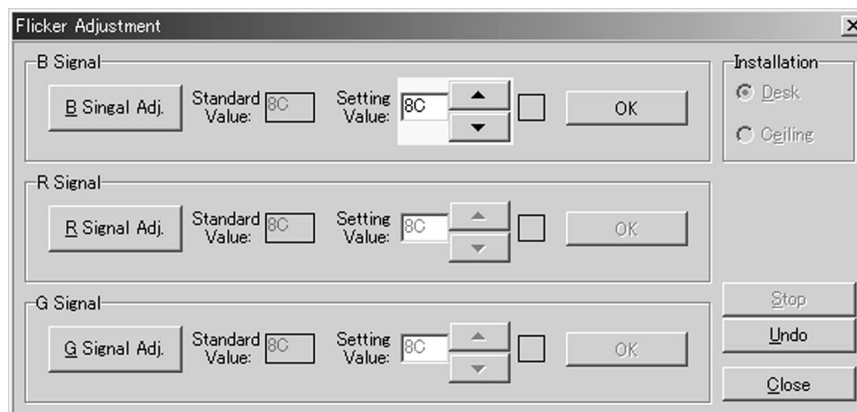
Displays Input Level Adjustment (RGB) menu.

Exit:

Exits this application.

7.6. Flicker Adjustment

7.6.1. Adjustment Menu



7.6.2. Explanation of Buttons

B Signal Adj.:

Sets the test signal mode to the B-signal and allows the "▲", "▼" and "OK" buttons of the B-signal to become active.

R Signal Adj.:

Sets the test signal mode to the R-signal and allows the "▲", "▼" and "OK" buttons of the R-signal to become active.

G Signal Adj.:

Sets the test signal mode to the G-signal and allows the "▲", "▼" and "OK" buttons of the G-signal to become active.

▲ or ▼

Changes the setting value and transmits its data. (The 8 and 2 keys on the keyboard have the same functions.) If releasing the mouse or key after pressing it continuously, the data is transmitted once. The variable setting value is enclosed in a box and using the TAB or SPACE key allows the move of the box.

OK:

Determines the setting value and stores its data in the EEPROM. (The ENTER key on the keyboard has the same function.) The item having two or more kinds of setting values is processed two or more items. Clicking this button or pressing ENTER key changes the color of the text "OK" to cyan (light blue). If changing the setting value using the "▲" or "▼" button or the 8 or 2 key, its color returns to black.

Stop:

Discontinues the communication. (This button is usually set for its inactive mode.)

Undo:

Returns the setting value to its original state and transmits its data. The color of the text "OK" returns to black.

Close:

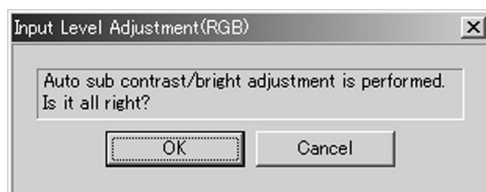
Closes this menu.

7.6.3. Equipment to be used

PC, Software for Adjustment

7.6.4. Adjustment Procedure

1. Display Flicker Adjustment menu.
2. Click "B Signal Adj," and the blue flicker adjustment pattern will be displayed.
3. Minimize the flicker while observing the projected pattern.
4. Click "R Signal Adj," and the red flicker adjustment pattern will be displayed.
5. Minimize the flicker while observing the projected pattern.
6. Click "G Signal Adj," and the green flicker adjustment pattern will be displayed.
7. Minimize the flicker while observing the projected pattern.

7.7. Input Level Adjustment (RGB)**7.7.1. Adjustment Menu****7.7.2. Explanation of Buttons****OK:**

Executes automatic sub contrast and sub brightness adjustments, then closes this dialog.

Cancel:

Cancels this menu.

7.7.3. Equipment to be used

PC, RGB Signal Generator, Software for Adjustment

7.7.4. Adjustment Procedure

1. Display Input Level Adjustment (RGB) menu.
2. Input a window pattern signal to PC IN connector.

Note:

- Use approx. 15 % window pattern as follows.
 Black background (screen width) : White window width = 2 : 1
 Black background (screen height) : White window height = 3 : 1
- Must use the window pattern of 1 080p (1 920 x 1 280).

3. Click the OK button.

8 Troubleshooting

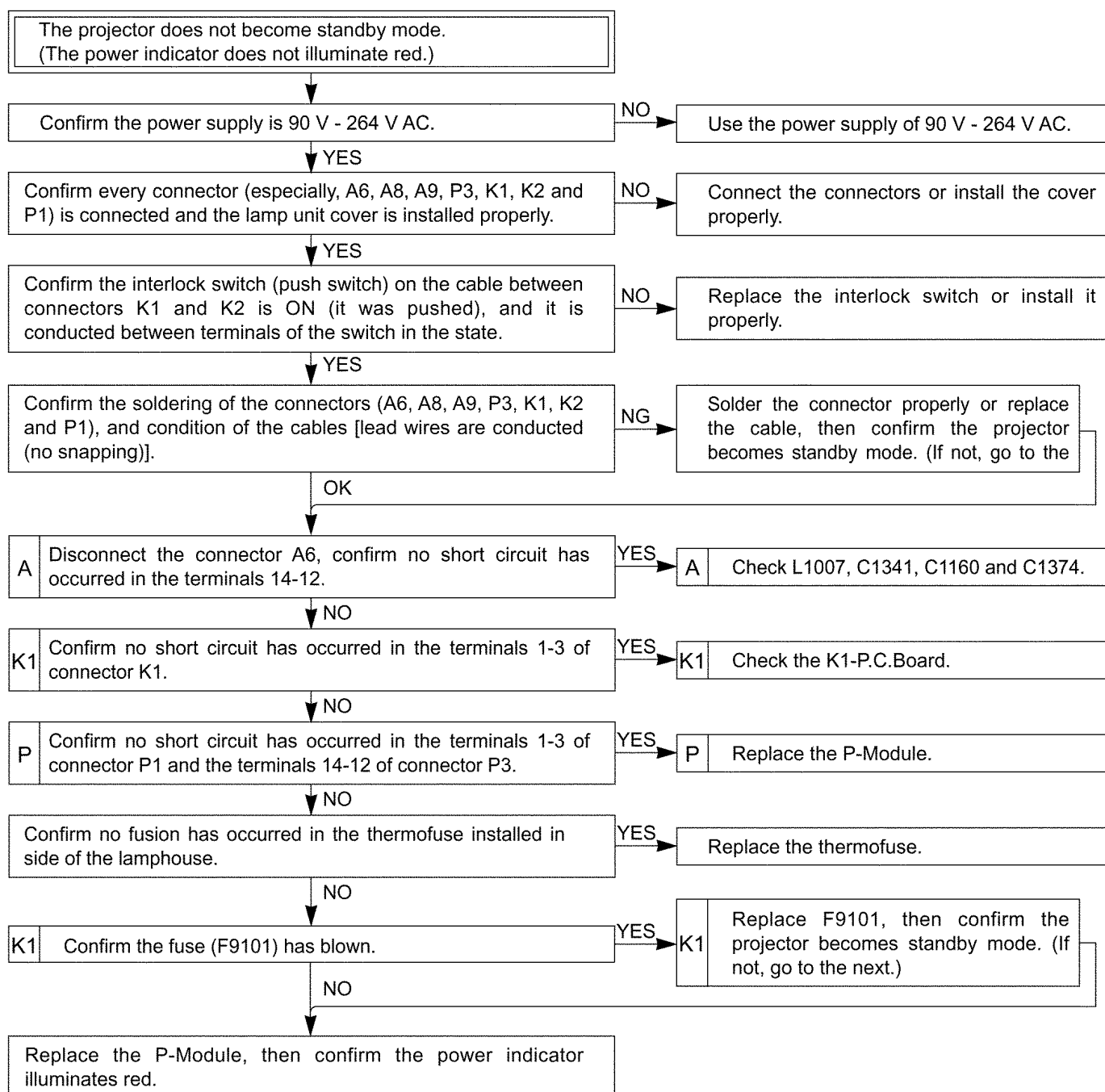
- The letters in the left of the inspection items indicate the P.C.Boards or Modules related to their respective descriptions.

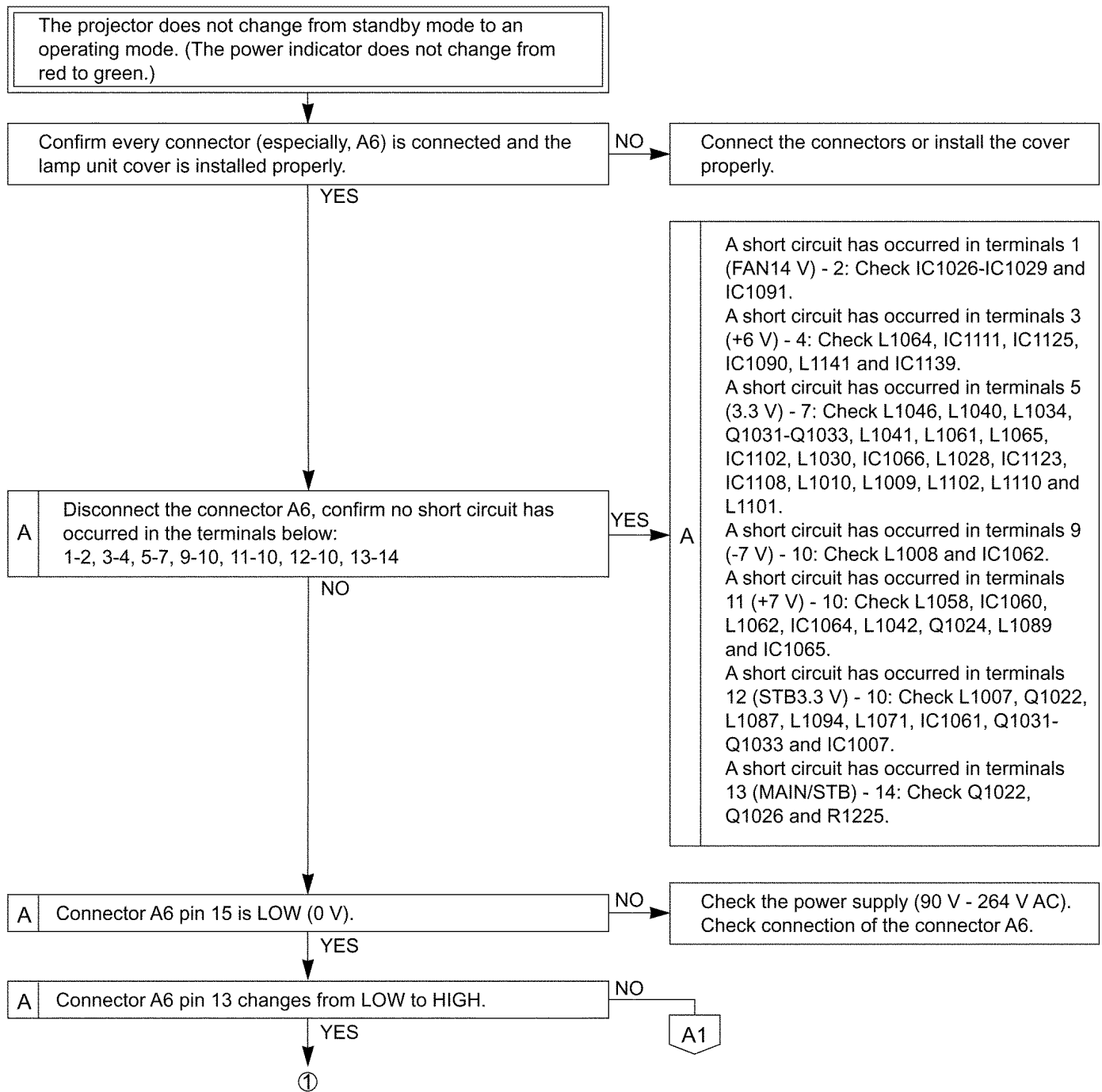
Note: A

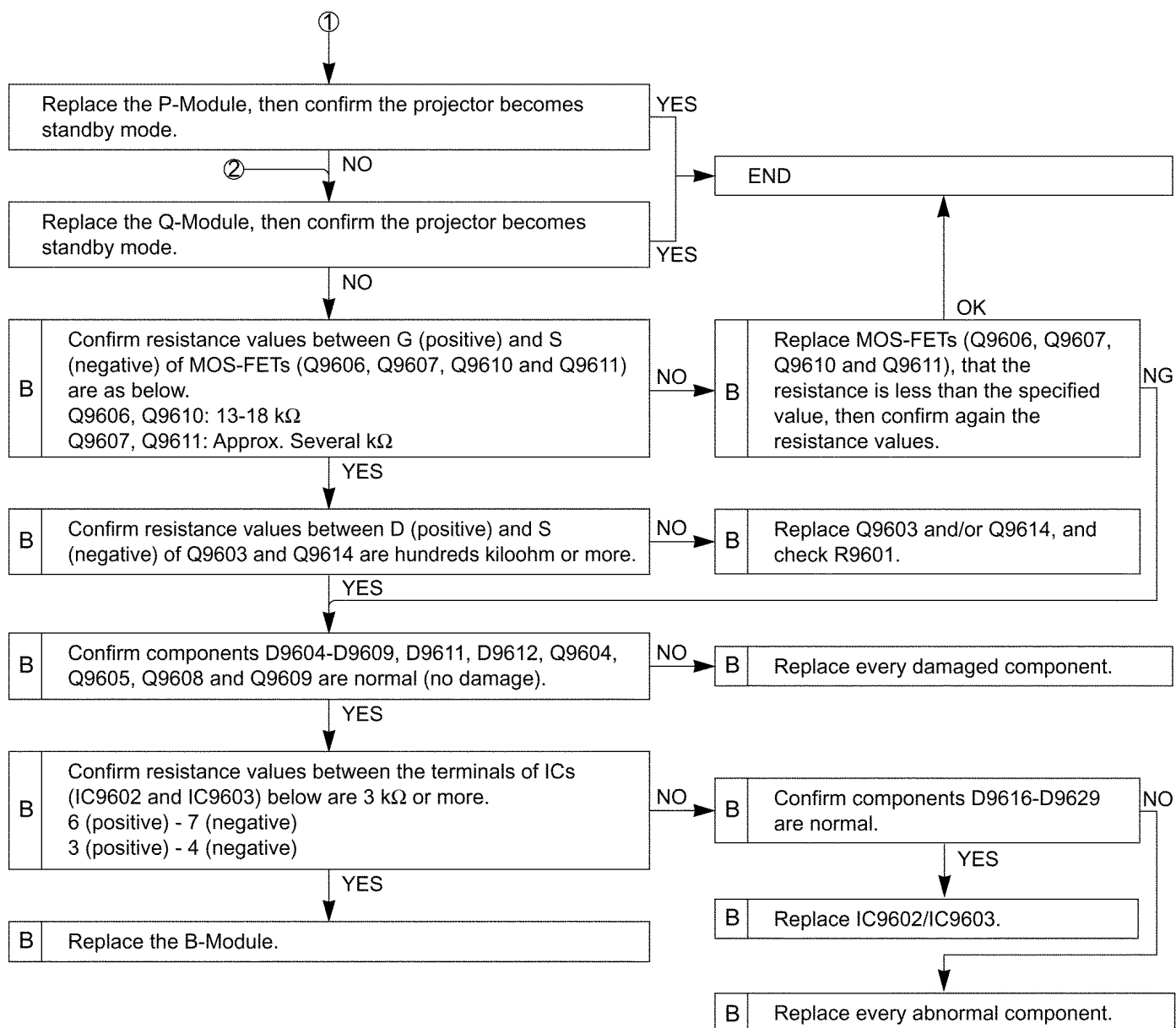
The letter of the alphabet indicates the P.C.Board or Module name.

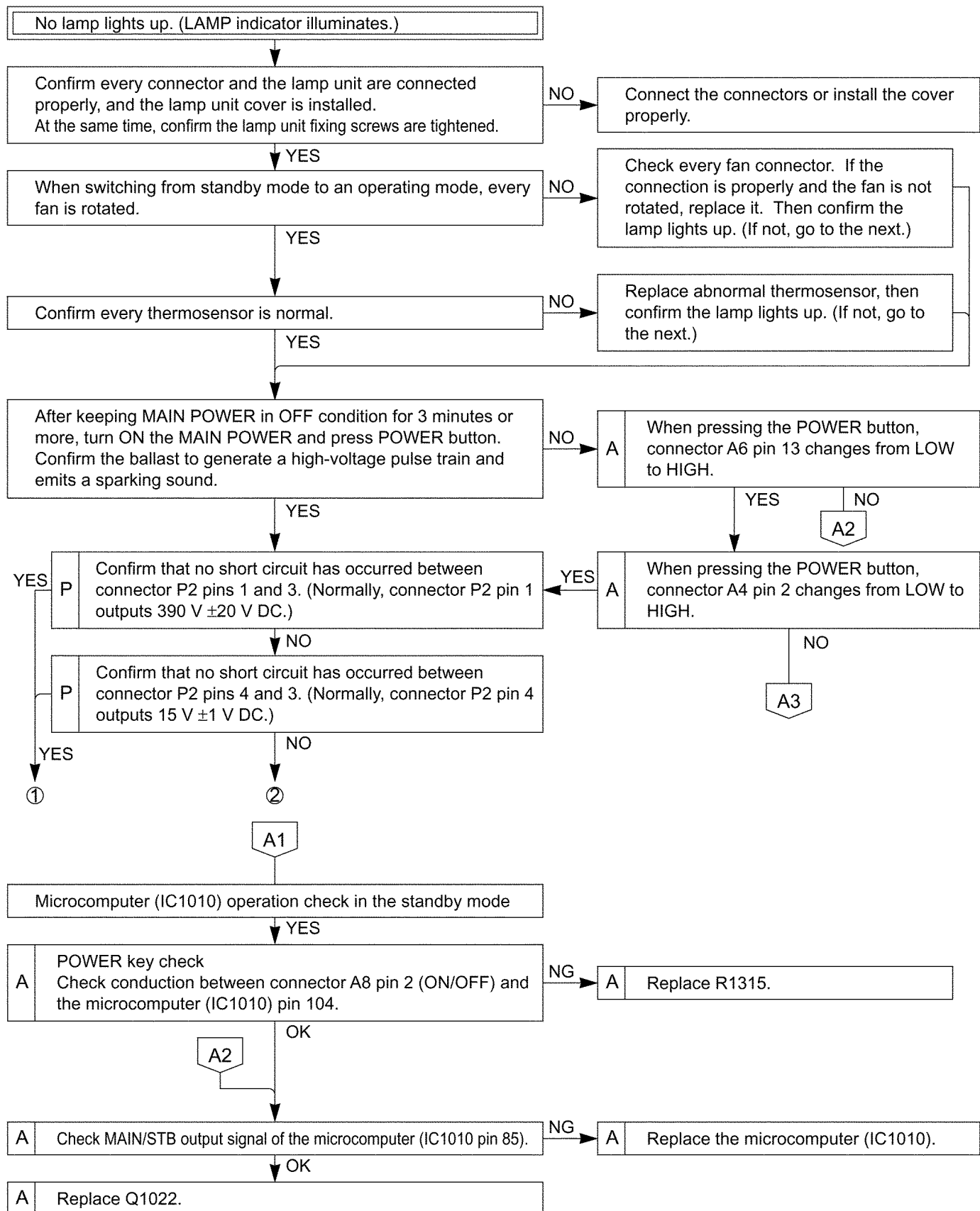
(Example) A: A-P.C.Board, P: P-Module

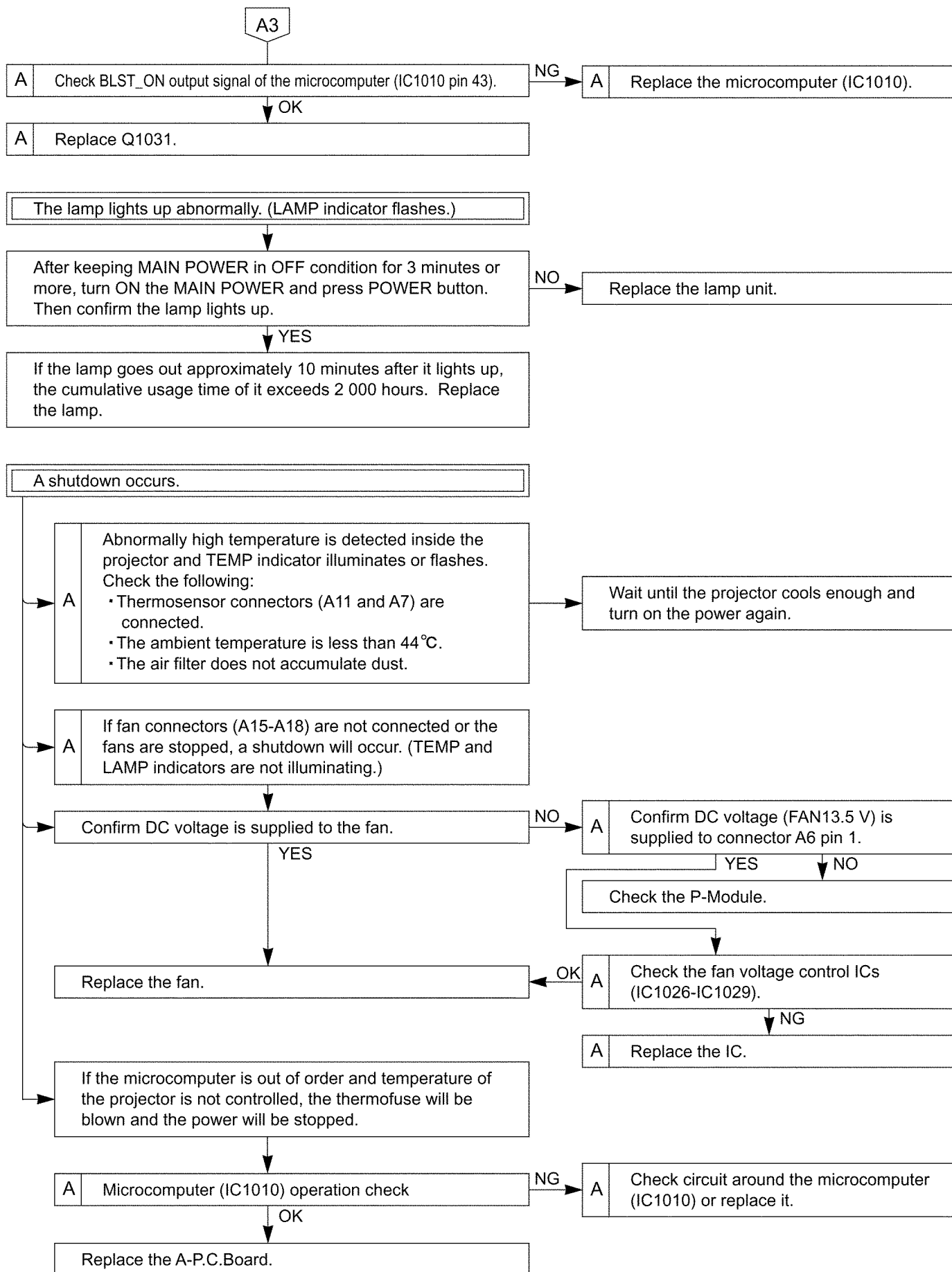
- If replacing A-P.C.Board (assembly), read the ROM data from the old P.C.Board and write it in the new one according to the section 7.5. "Software for Adjustment". At this time, if the readout from the old P.C.Board does not succeed, remove IC1061 and IC1063 from the old P.C.Board and install them on the new one. Then, execute the self-check according to the chapter 3. "Self-Check Mode", and confirm "G SAVED" and "U SAVED" display "OK".
- If replacing A-P.C.Board (assembly), minimize the flicker according to the chapter 4. "Flicker Adjustment Mode".
- If replacing A-P.C.Board (assembly), adjust RGB Input Level according to the chapter 7.7. "Input Level Adjustment".

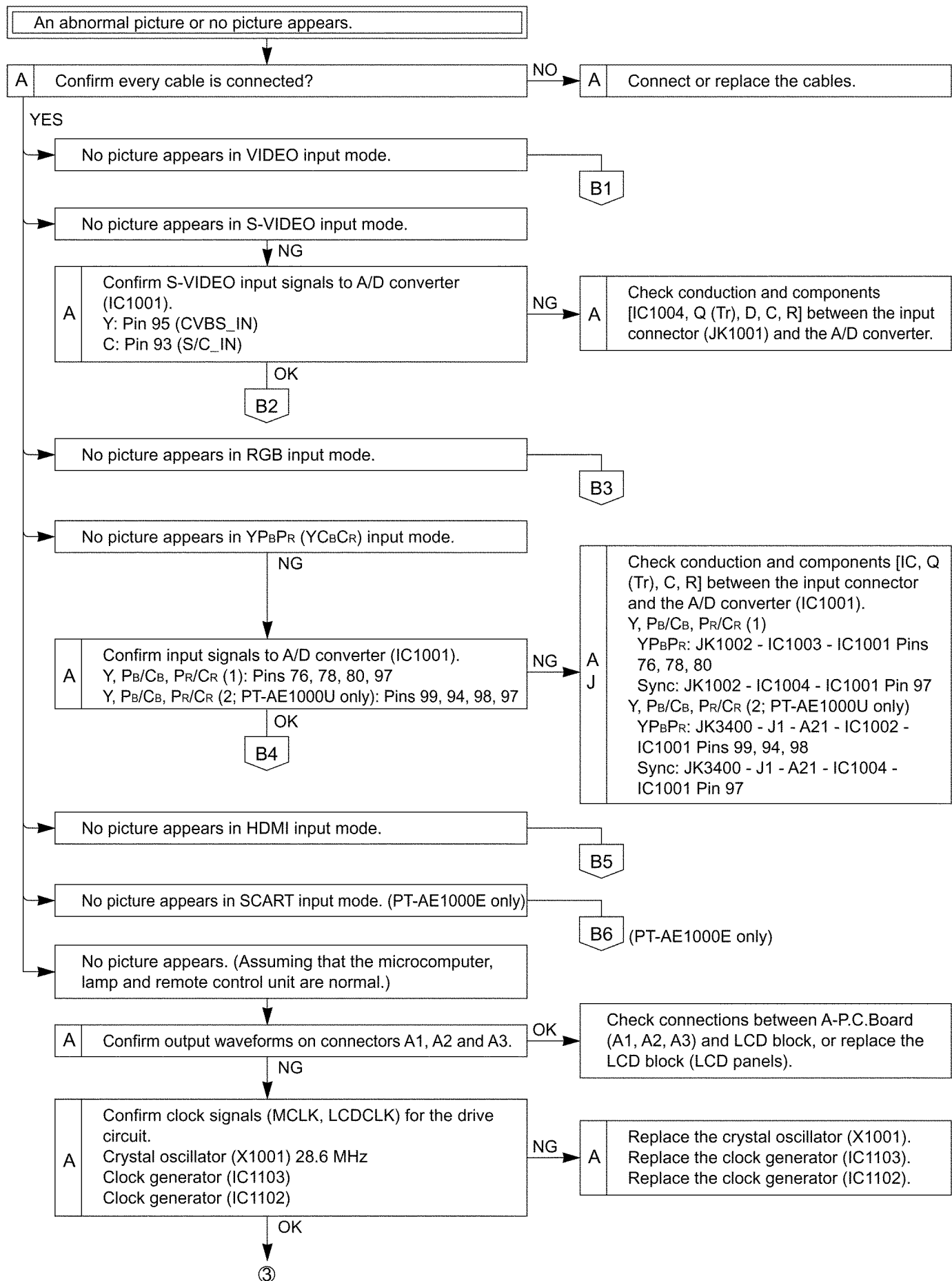


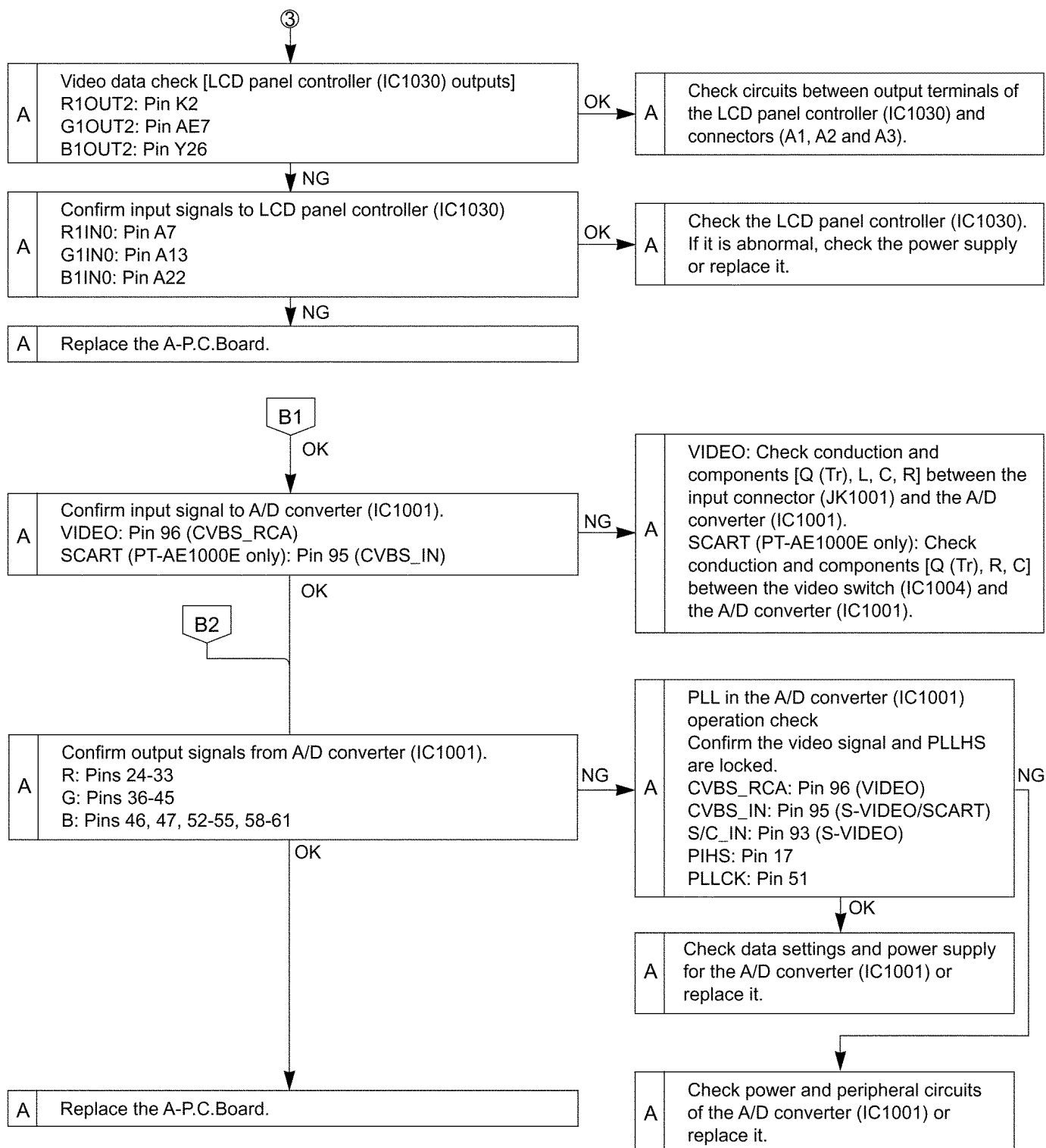


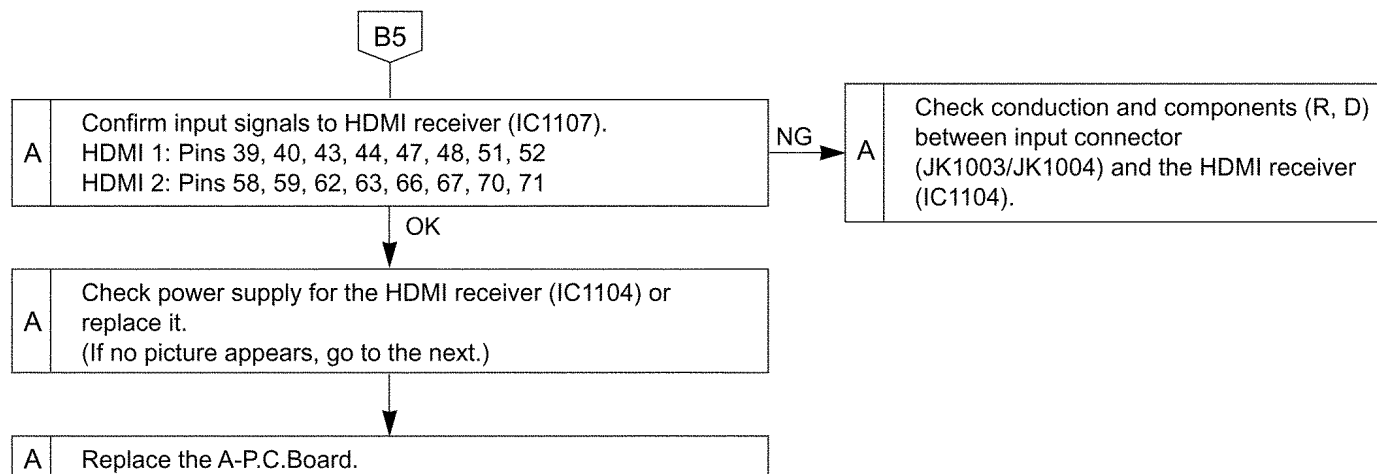
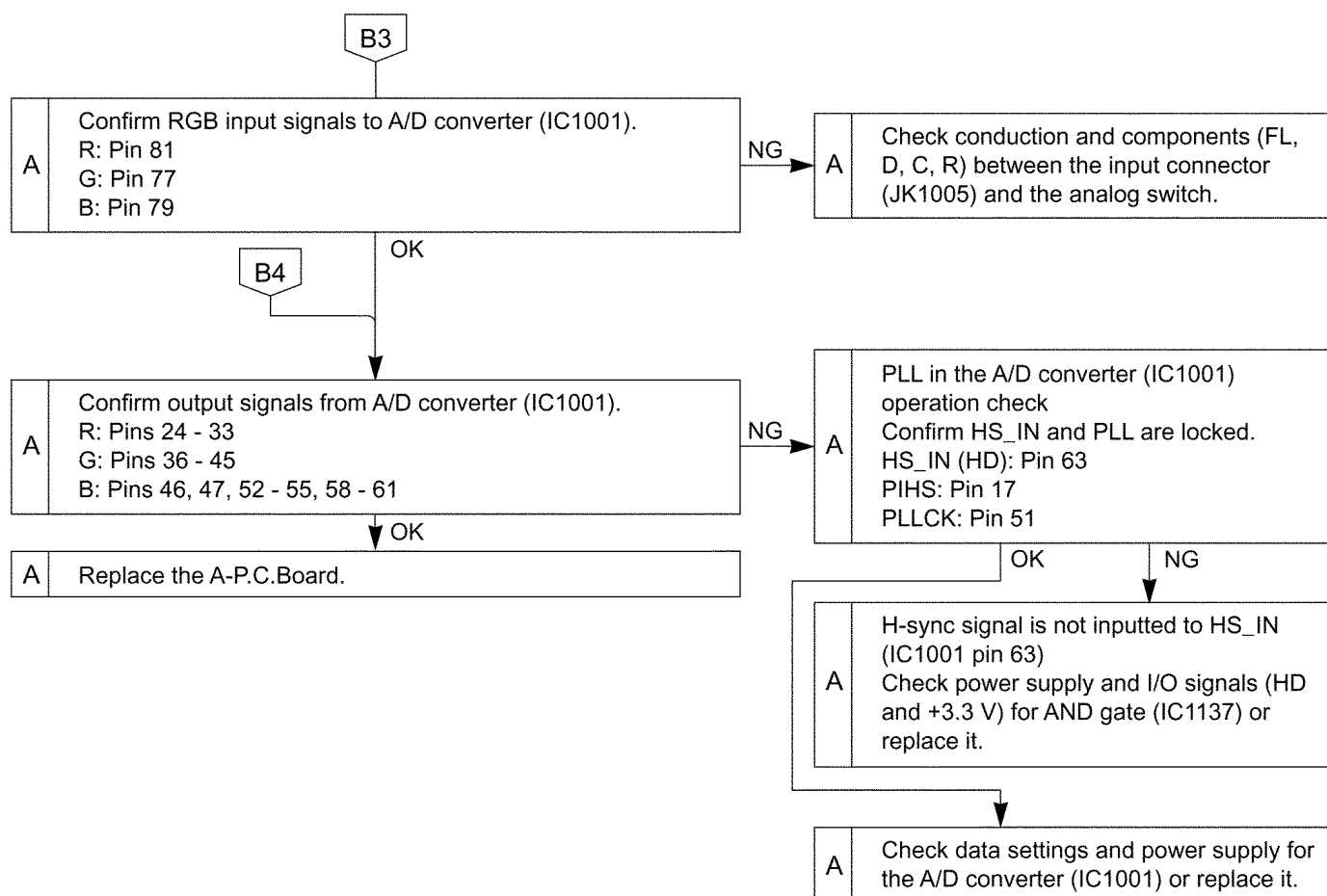


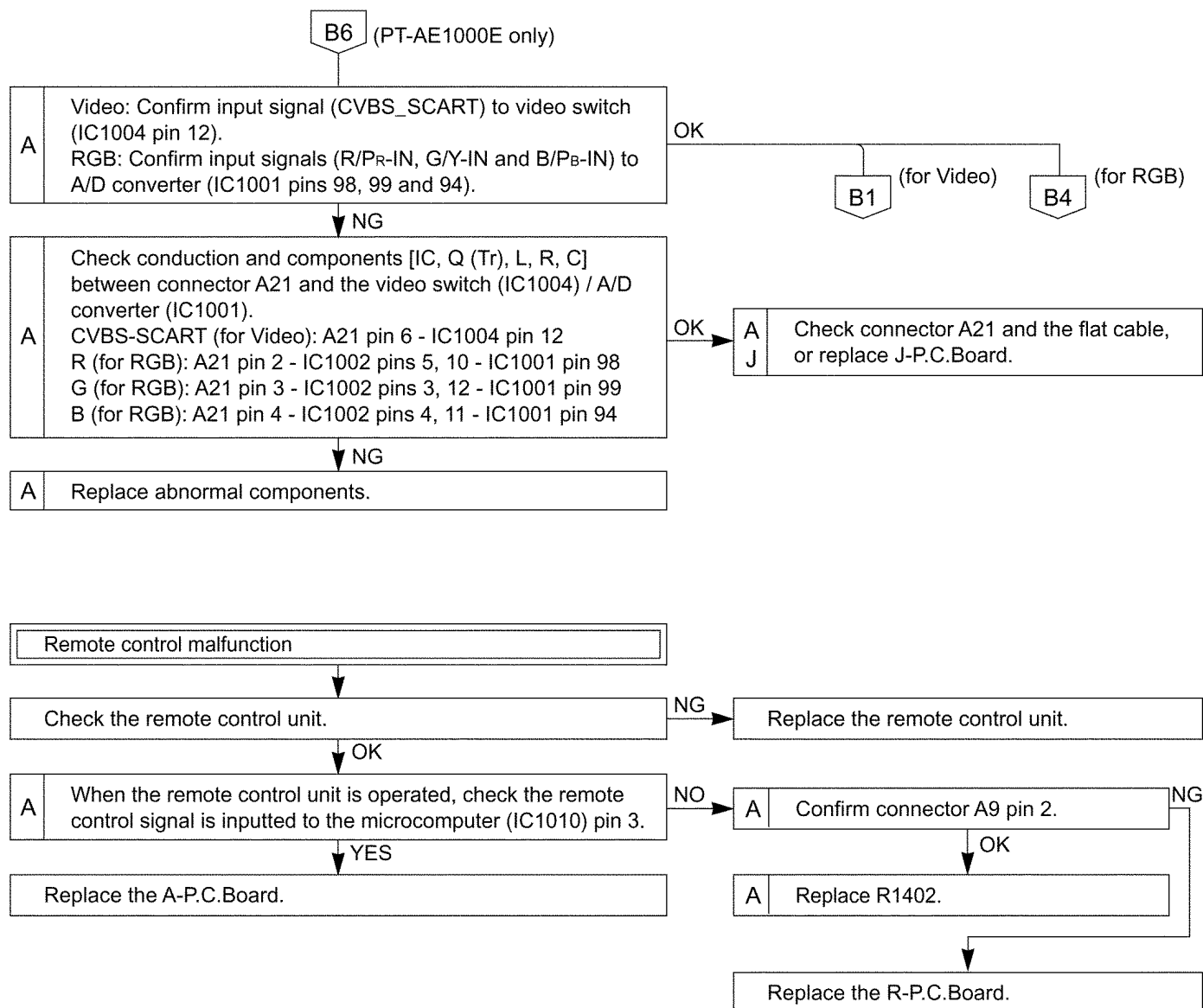








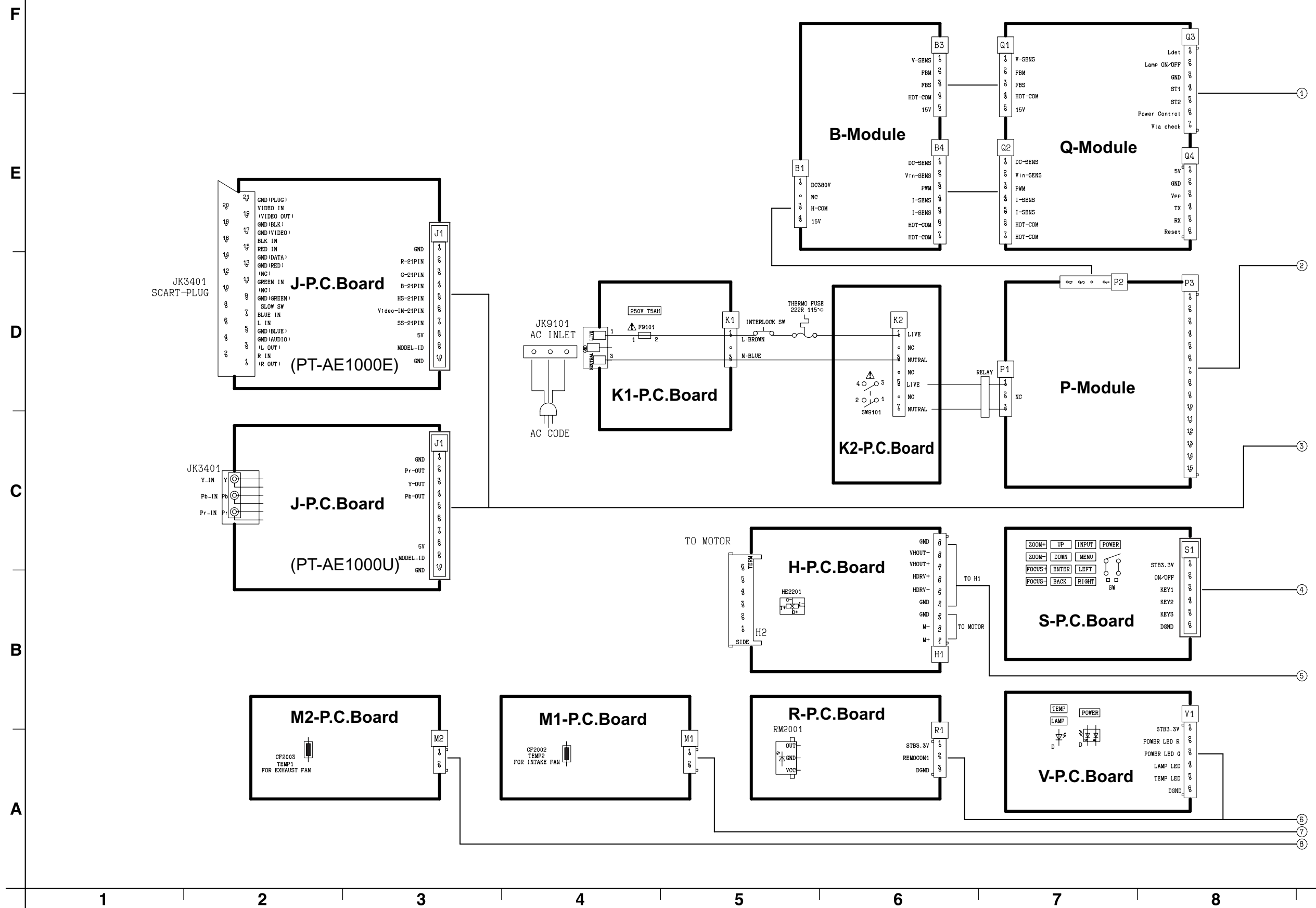




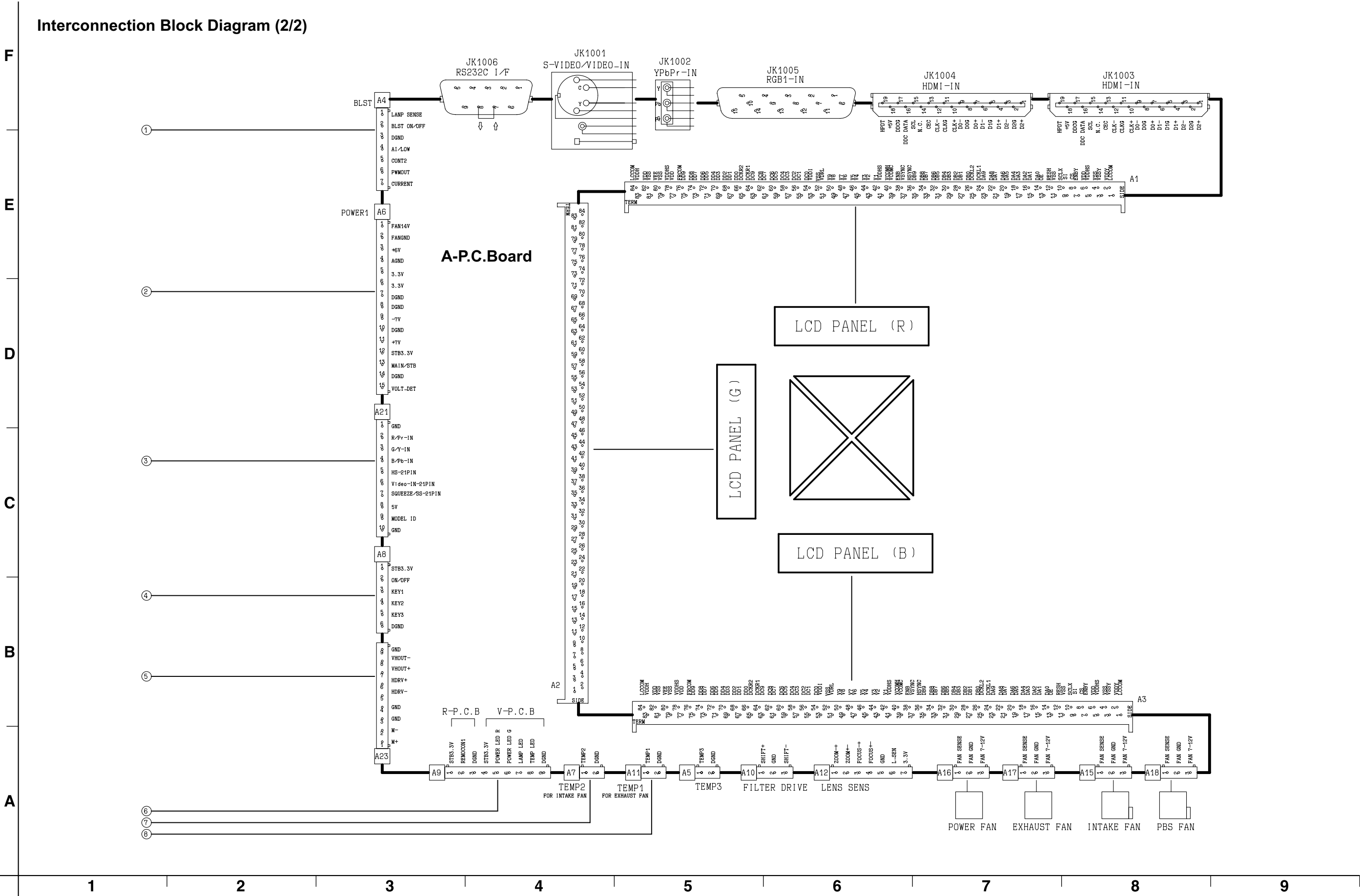
9 Interconnection Block Diagram

9.1. Interconnection Block Diagram (1/2)

Interconnection Block Diagram (1/2)

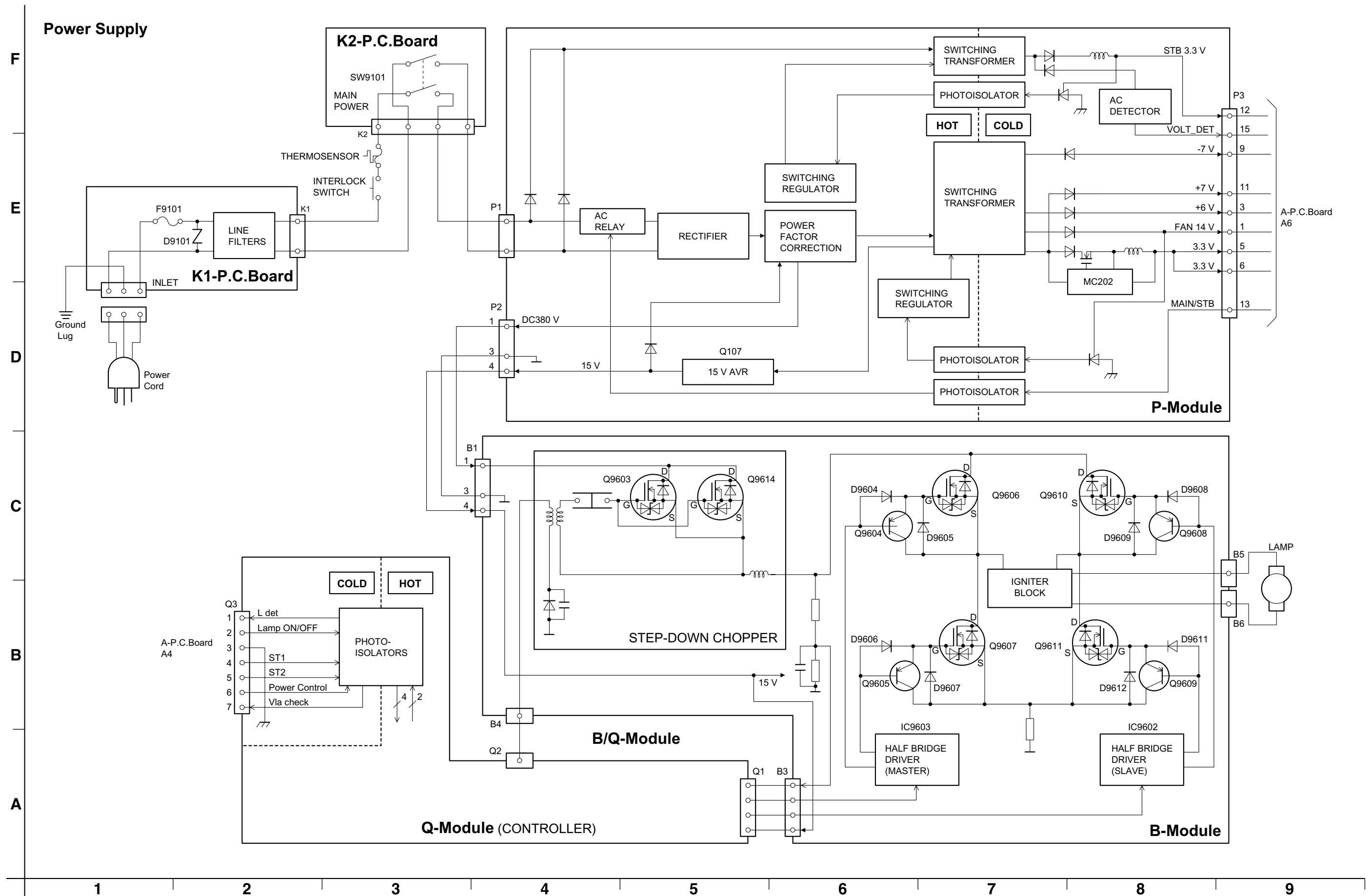


9.2. Interconnection Block Diagram (2/2)

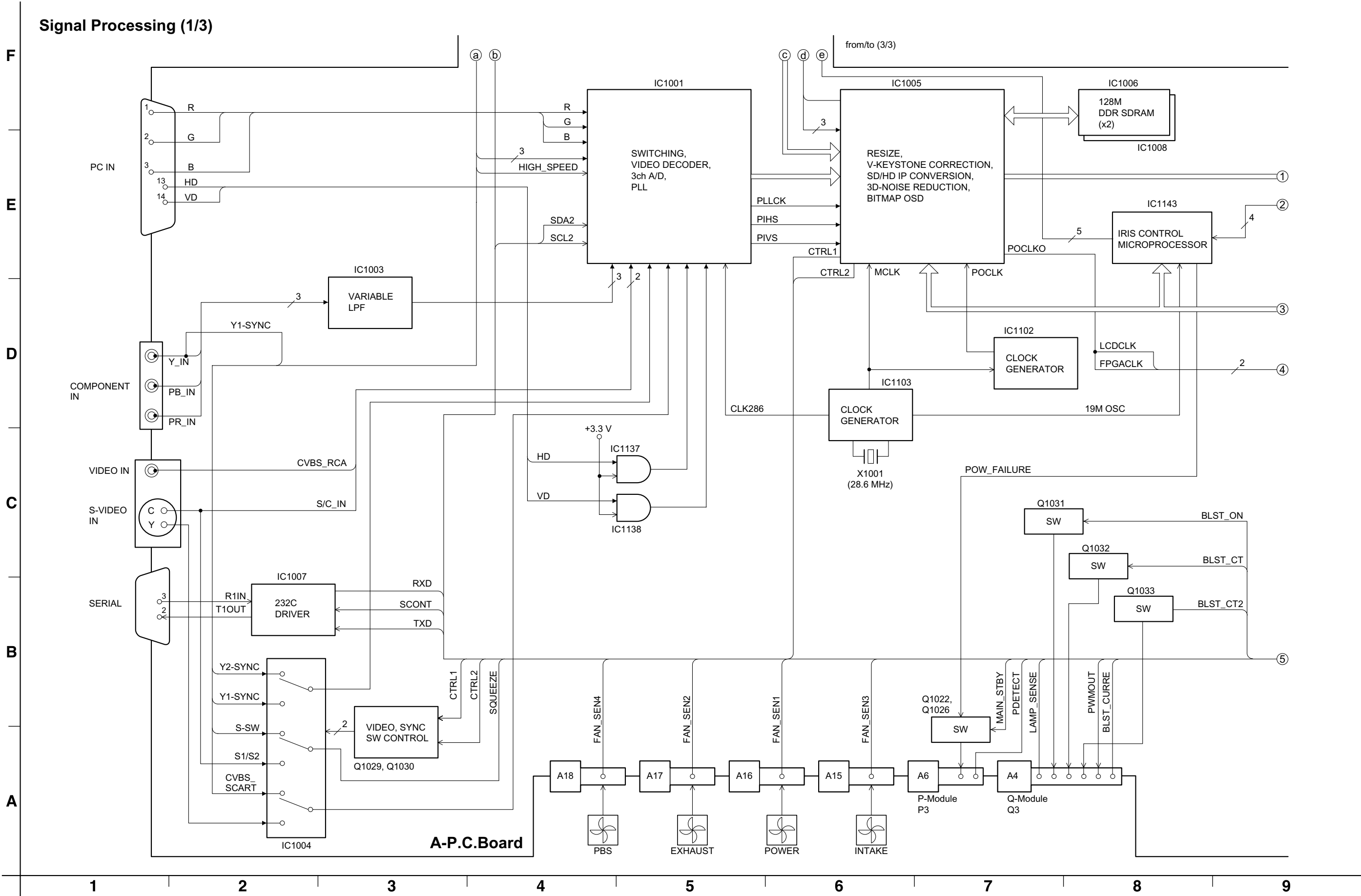


10 Block Diagram

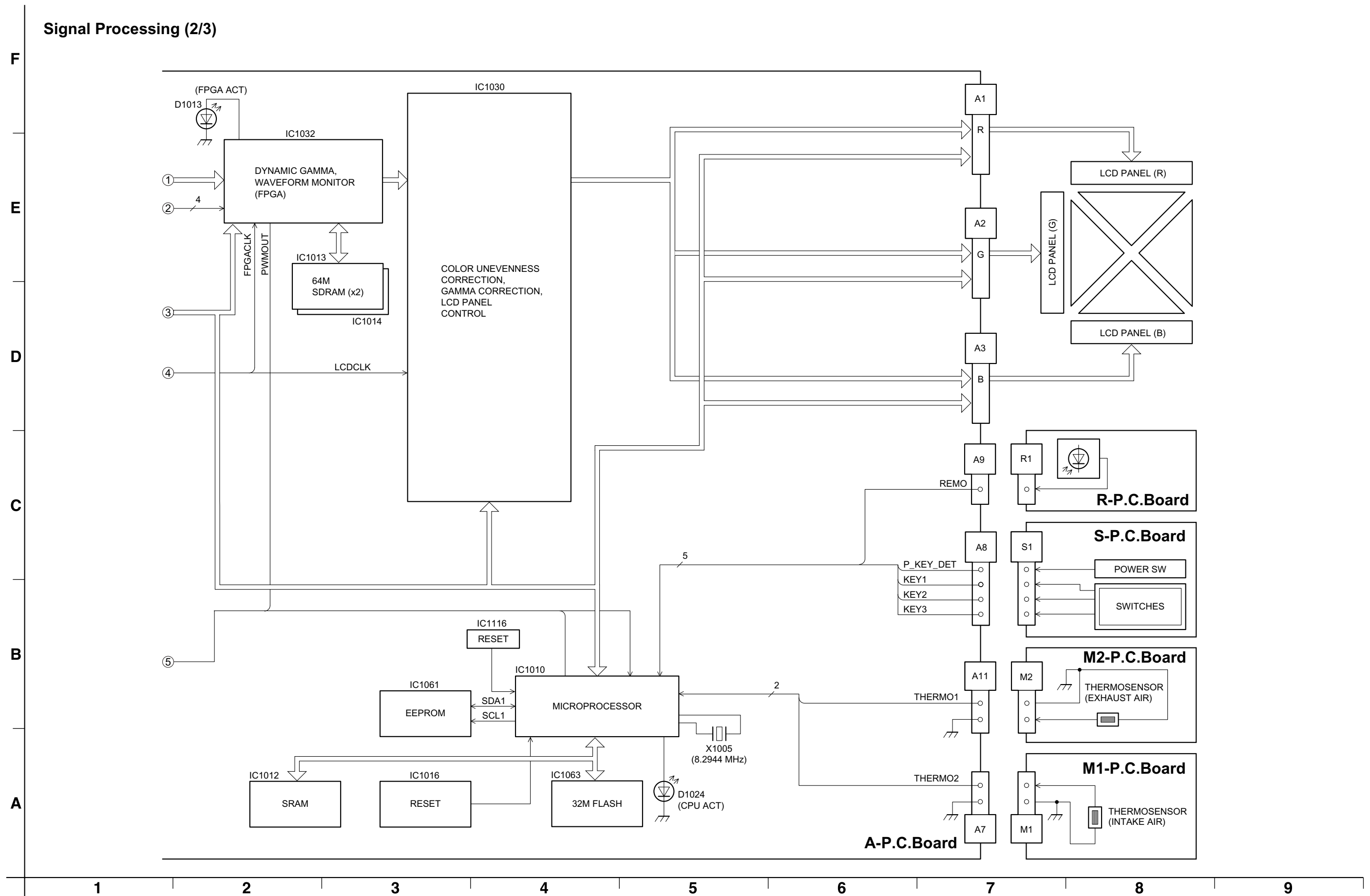
10.1. Power Supply



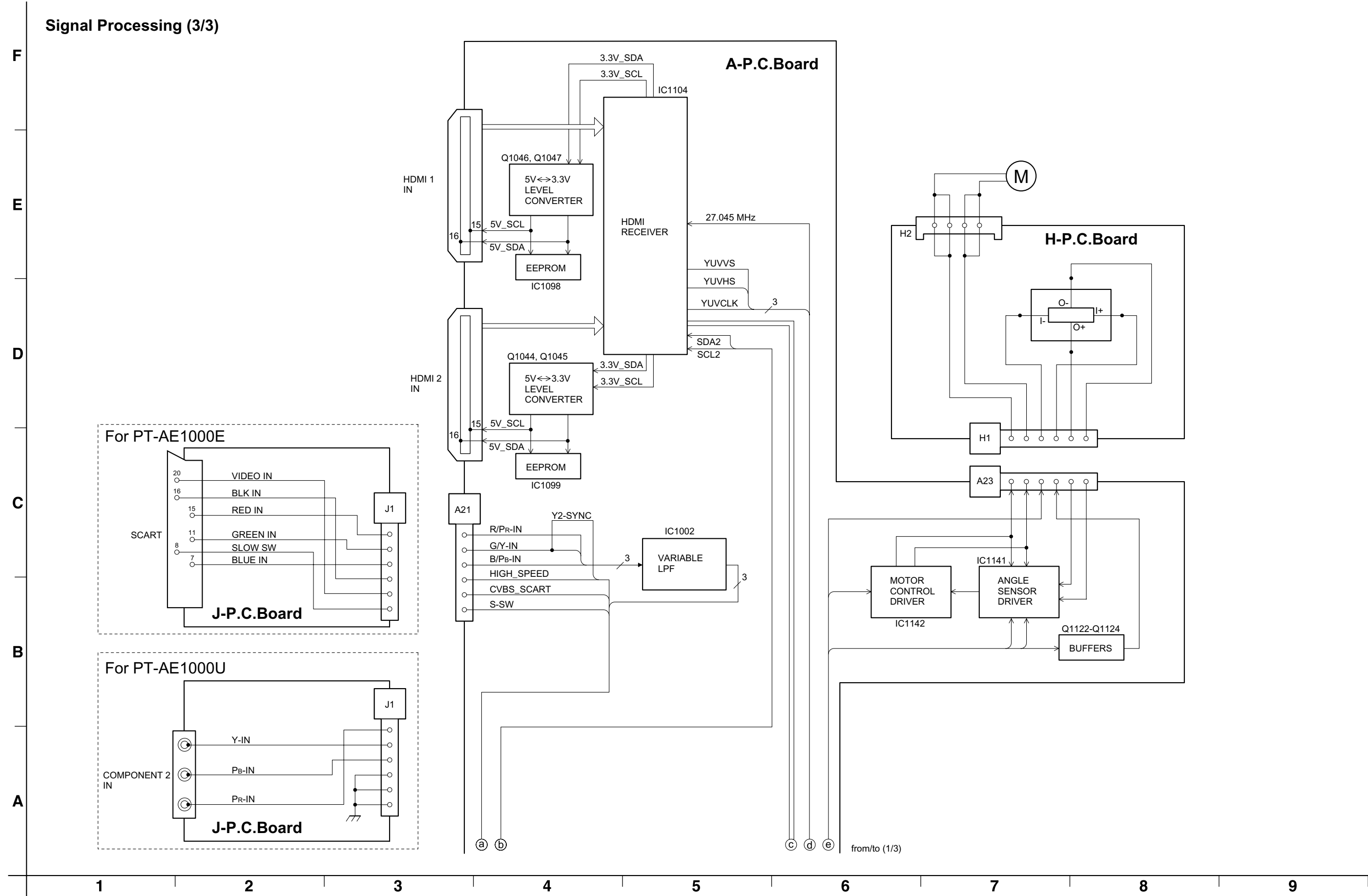
10.2. Signal Processing (1/3)



10.3. Signal Processing (2/3)



10.4. Signal Processing (3/3)



11 Schematic Diagram


Schematic Diagram for Model PT-AE1000U

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Schematic Diagram for Model PT-AE1000E


Important Safety Notice

Components identified by the international symbol  have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified ones.


Notes:

1. Resistor


All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000 000).


 : Nonflammable

 : Metal Oxide


 : Solid

 : Metal Film


 : Wire Wound


 : Fuse

2. Capacitor


 : Temperature Compensation


 : Electrolytic


 : Polyester

 : Bipolar

 : Metalized Polyester

 : Dipped Tantalum

 : Polypropylene

 : Z-Type

3. Coil

The unit of inductance is a H, unless otherwise noted.





4. Test Point

 : Test Point

5. Voltage Measurement

The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to the standard condition.

6. Color code for the links between diagrams and circuit boards

From/To		To/From	Color code
Block diagram		Schematic diagram	Magenta
Schematic diagram		Schematic diagram	Green
Schematic diagram		Circuit boards	Yellow
Schematic diagram		Waveforms	Cyan (Light blue)

7. HOT and COLD indications

The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:

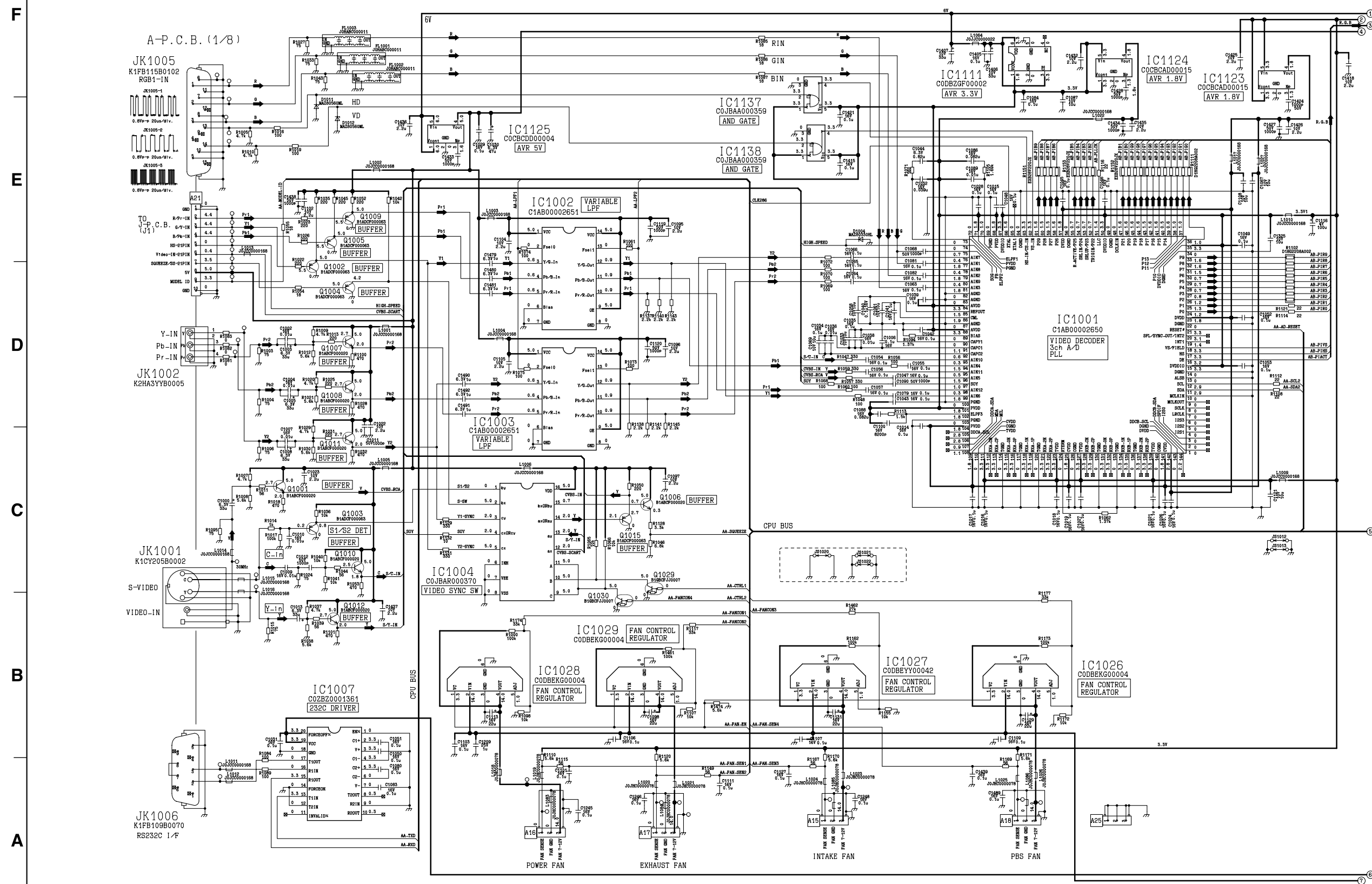
8. This schematic diagram is the latest at the time of printing and the subject to change without notice.

Precautions:

1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow. Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.

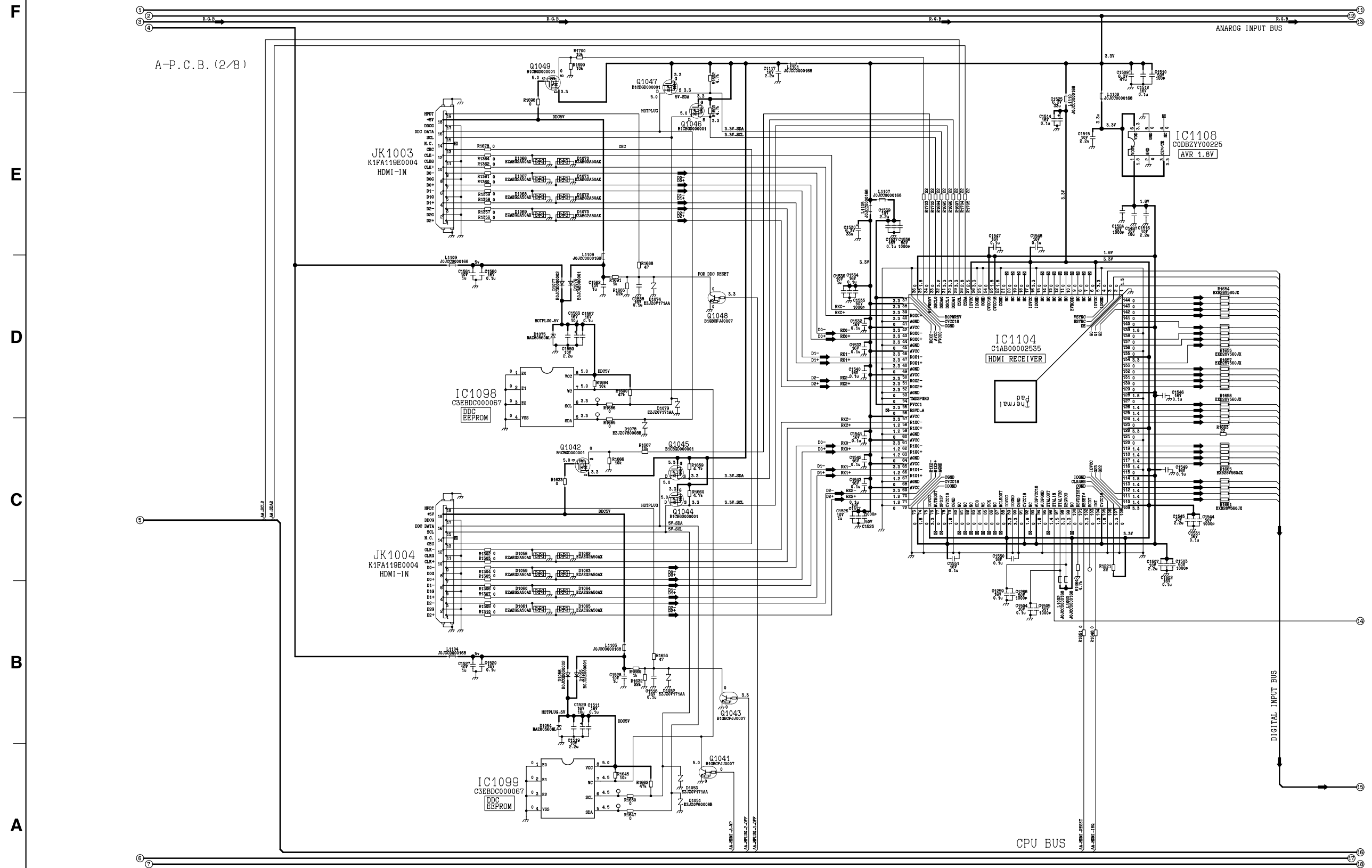
11.1. A-P.C.Board (1/8)

A-P.C.Board TXANP01VKD4 (1/8)



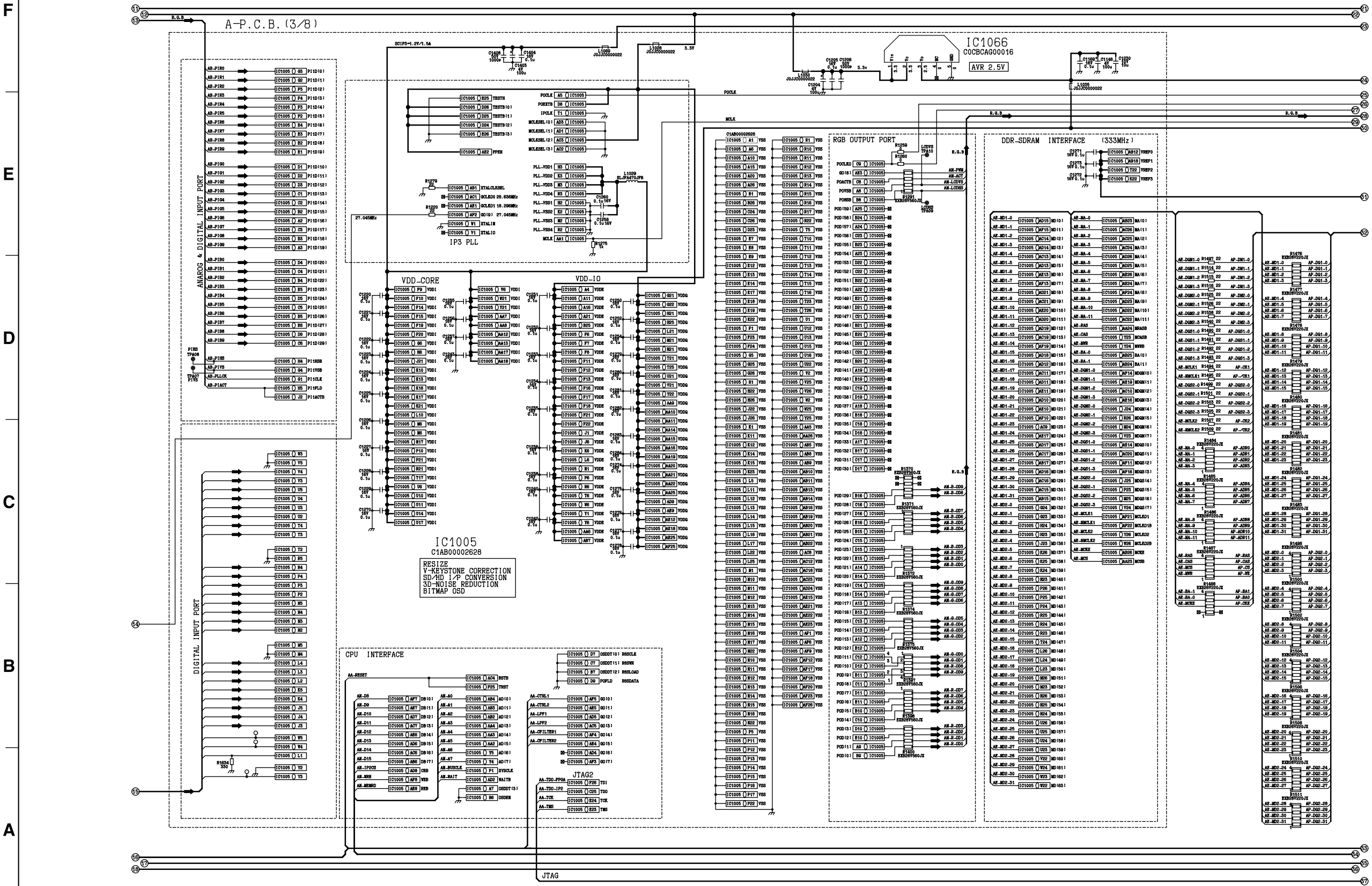
11.2. A-P.C.Board (2/8)

A-P.C.Board TXANP01VKD4 (2/8)



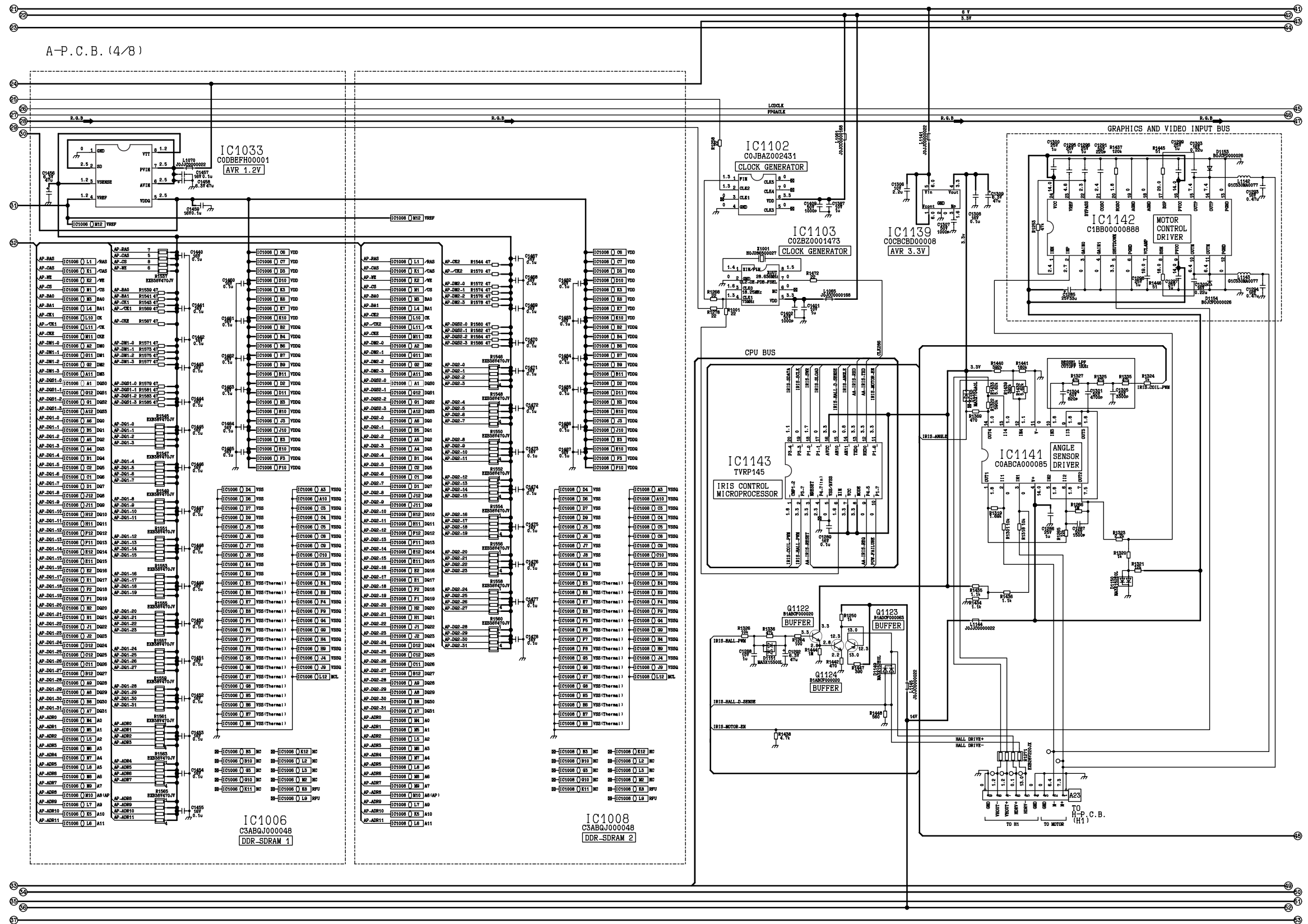
11.3. A-P.C.Board (3/8)

A-P.C.Board TXANP01VKD4 (3/8)



11.4. A-P.C.Board (4/8)

A-P.C.Board TXANP01VKD4 (4/8)



F

D

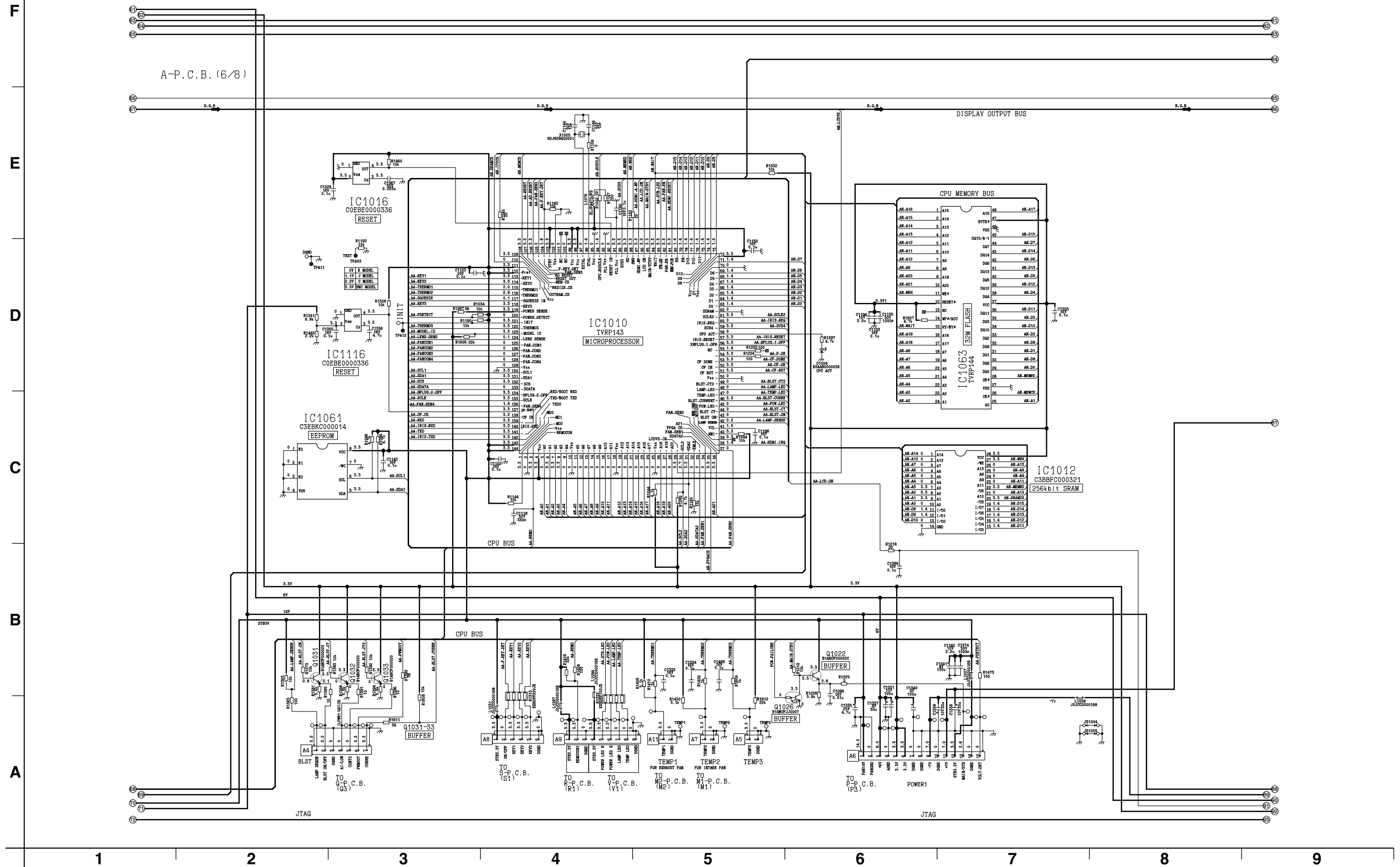
C

B

A

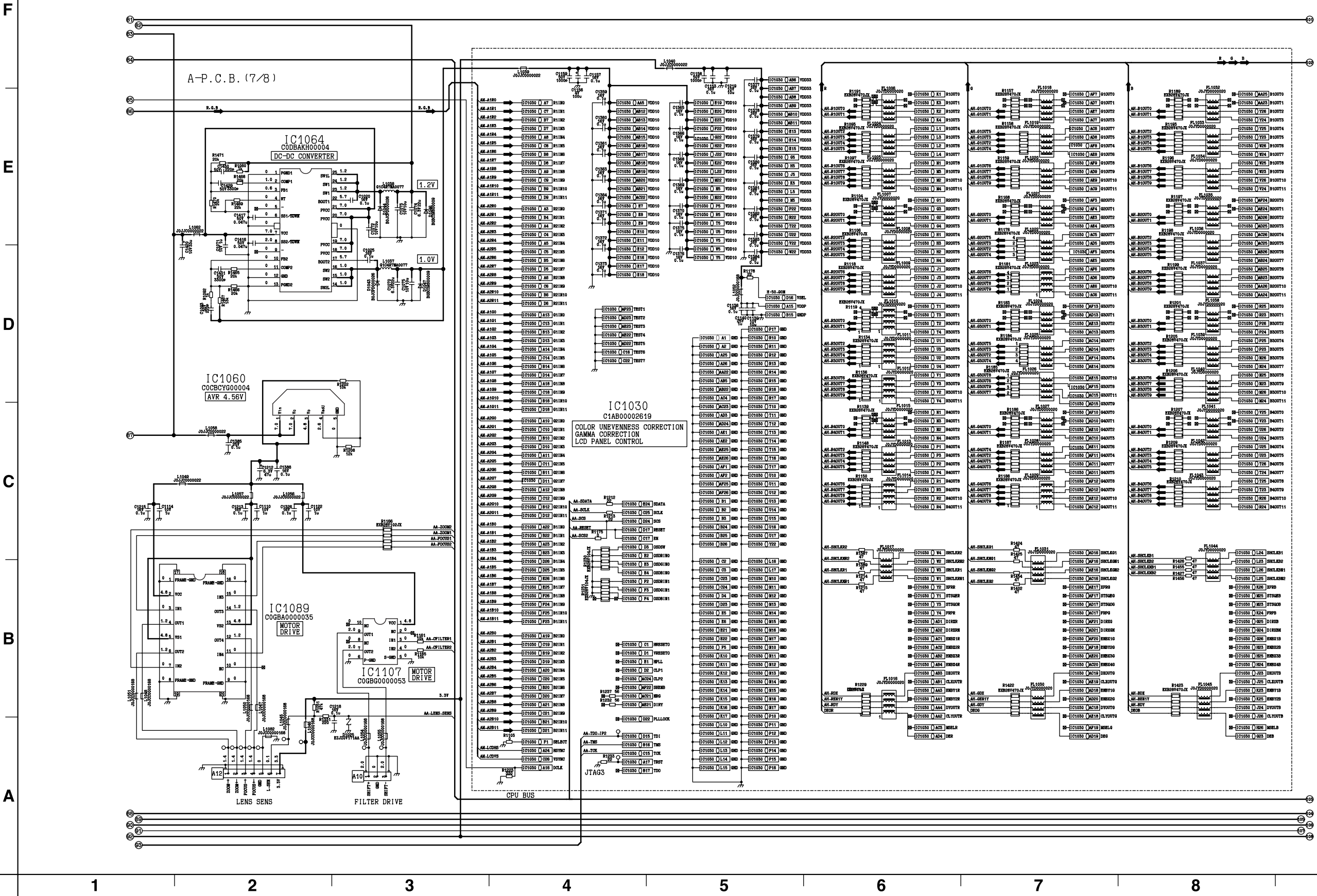
11.6. A-P.C.Board (6/8)

A-P.C.Board TXANP01VKD4 (6/8)



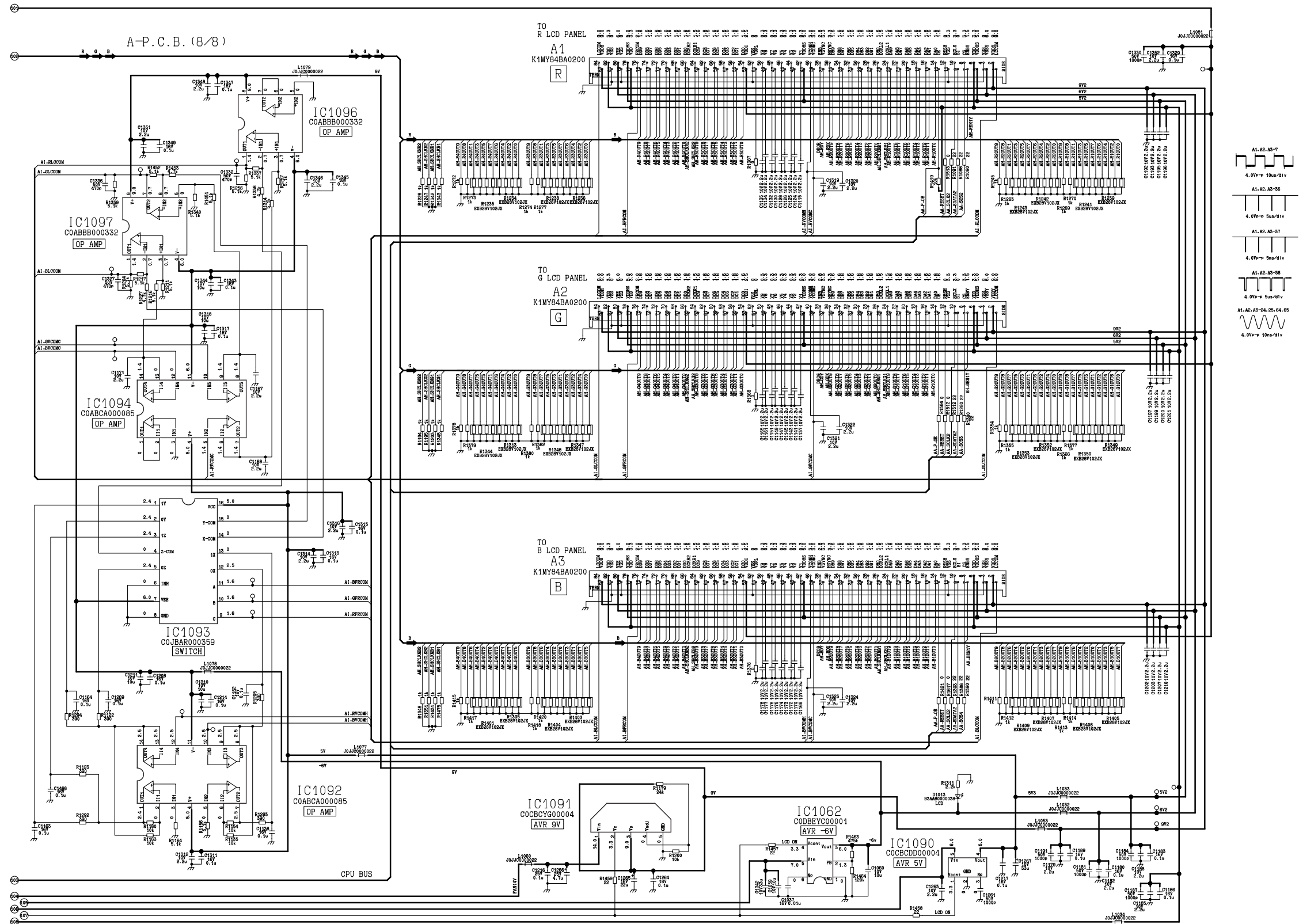
11.7. A-P.C.Board (7/8)

A-P.C.Board TXANP01VKD4 (7/8)

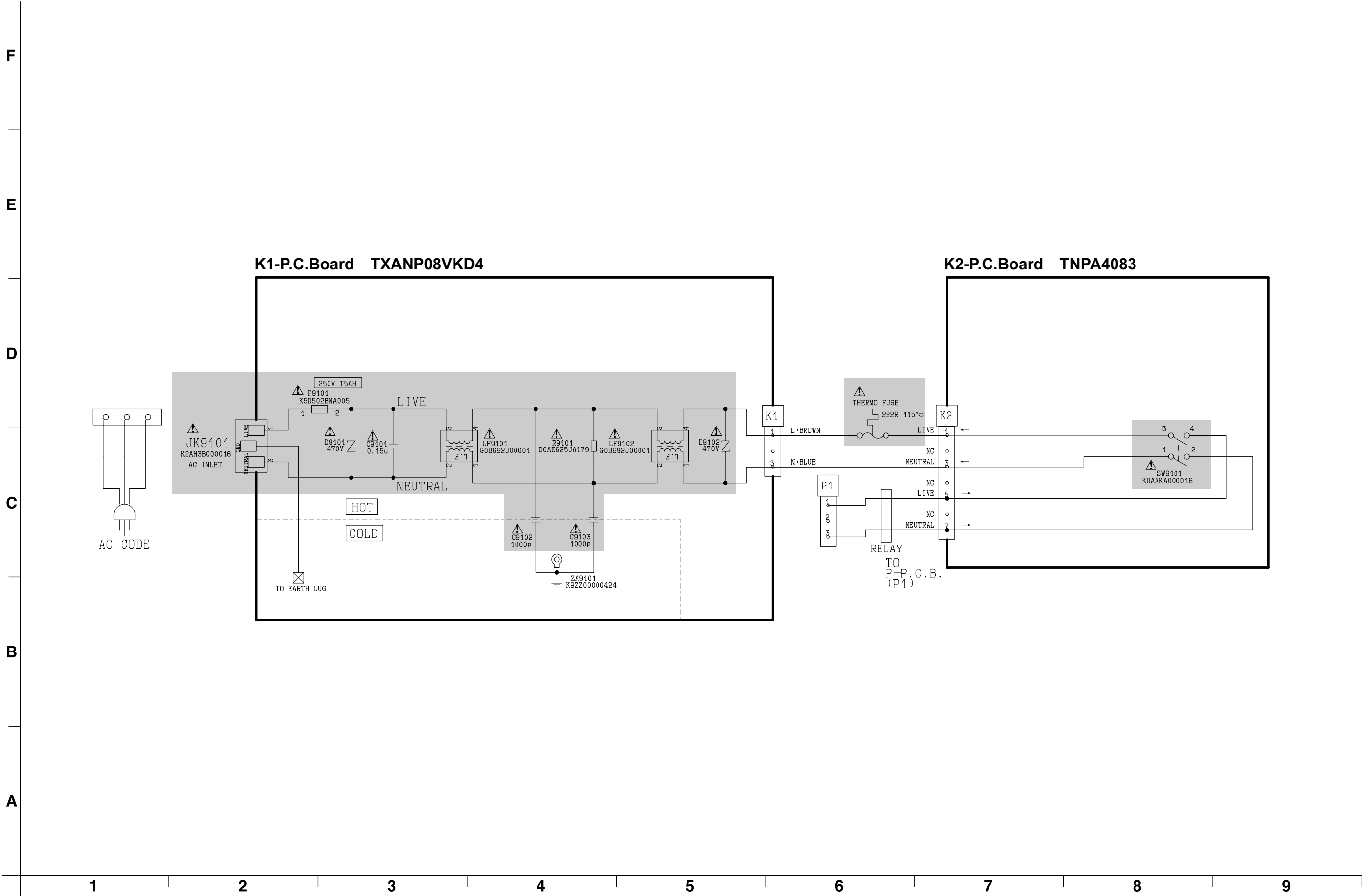


11.8. A-P.C.Board (8/8)

A-P.C.Board TXANP01VKD4 (8/8)



11.9. K1-P.C.Board, K2-P.C.Board



11.10. J-P.C.Board, S-P.C.Board, R-P.C.Board

F

E

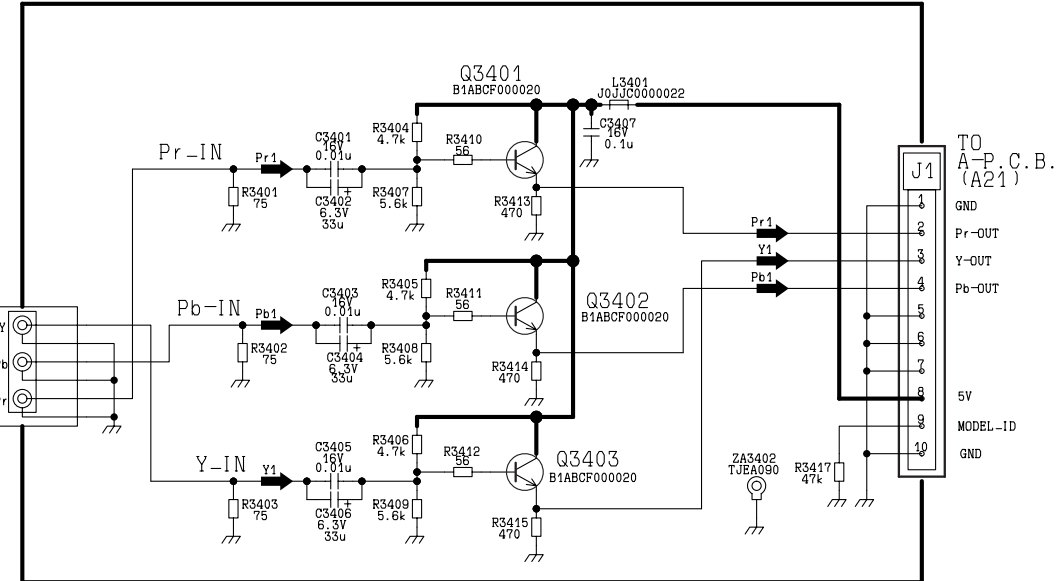
D

C

B

A

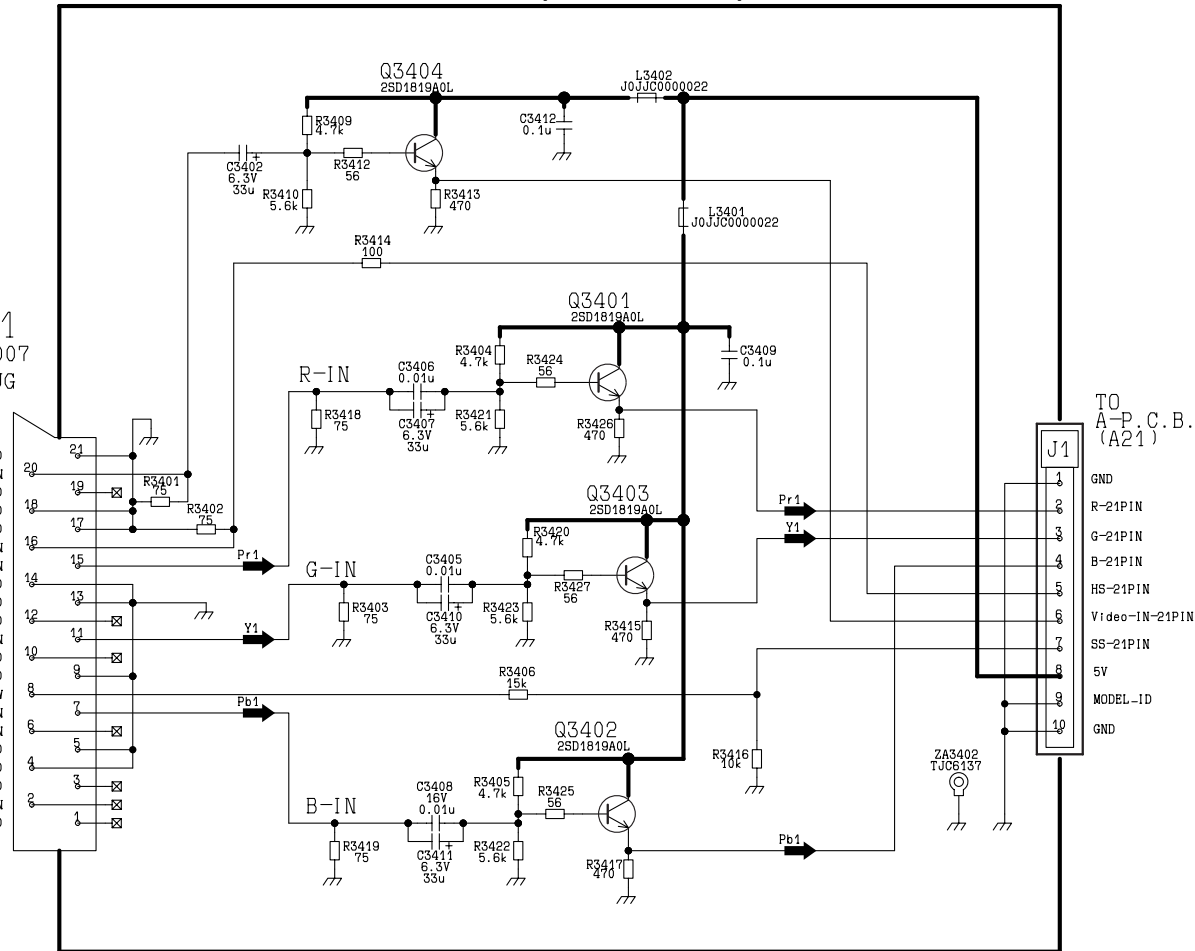
J-P.C.Board TXANP05QEBZ (PT-AE1000U)

JK3401
K2HA306B0103Y-IN
Pb-IN
Pr-IN

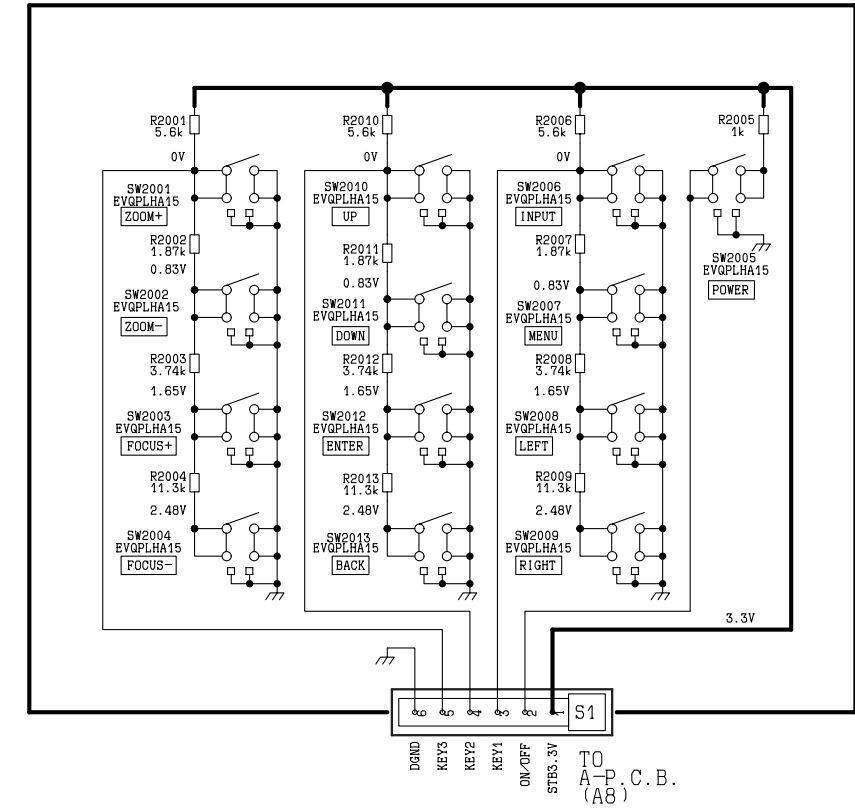
J-P.C.Board TXANP05QECZ (PT-AE1000E)

JK3401
K1FB121B0007
SCART-PLUG

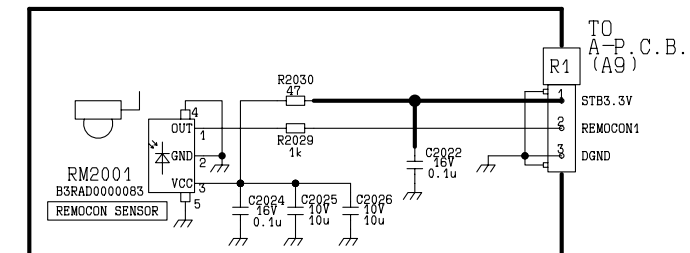
GND (PLUG)
VIDEO IN
(VIDEO OUT)
GND (BLK)
GND (VIDEO)
BLK IN
RED IN
GND (DATA)
GND (RED)
(NC)
GREEN IN
(NC)
GND (GREEN)
SLOW SW
BLUE IN
L IN
GND (BLUE)
GND (AUDIO)
R IN
(R OUT)

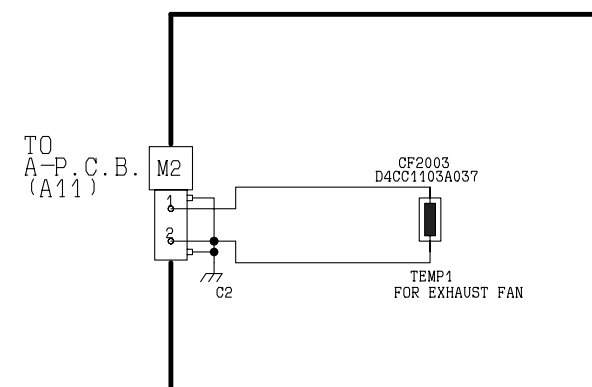
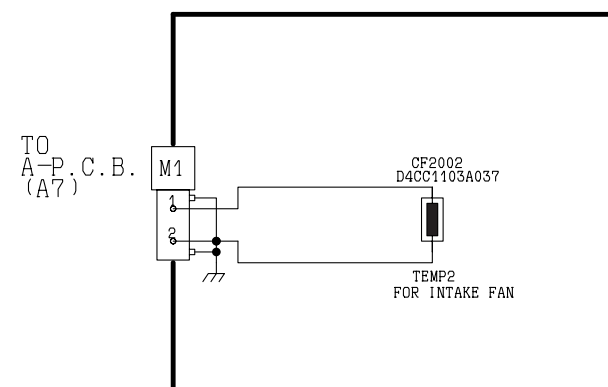
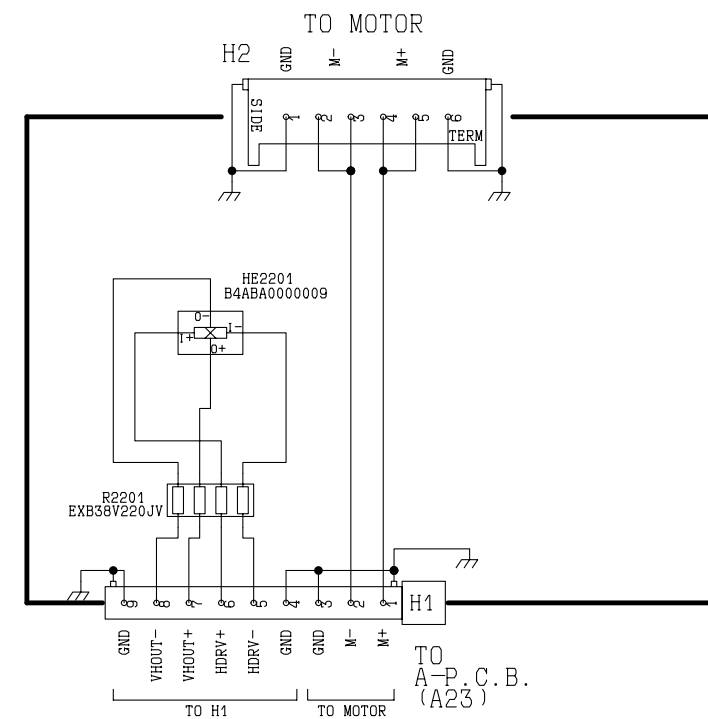
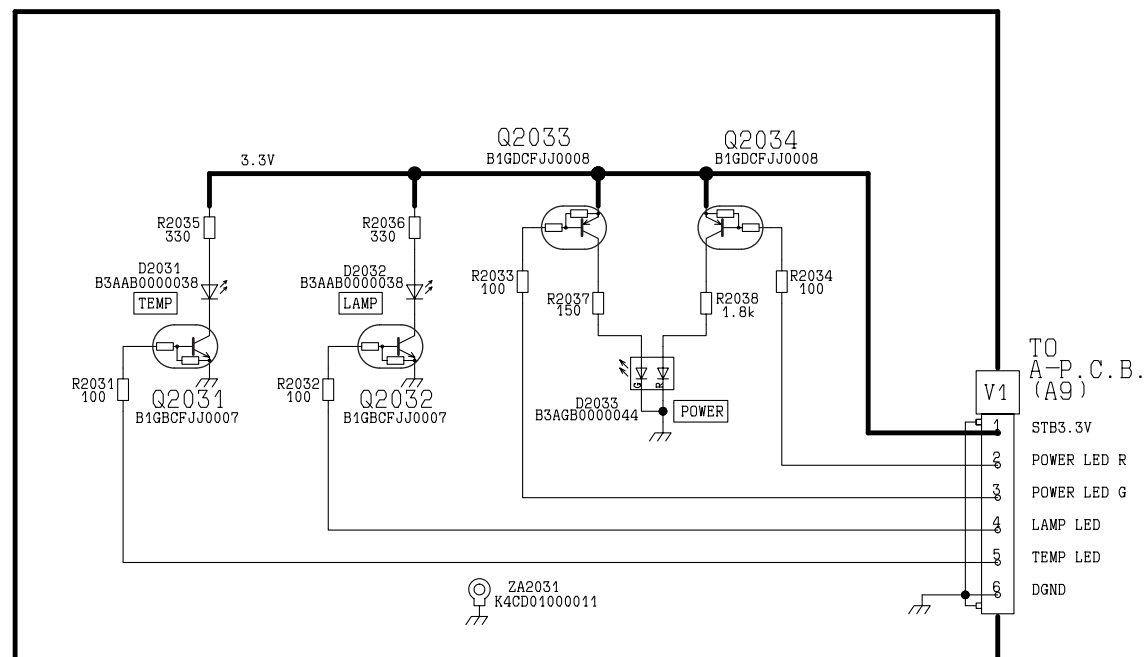


S-P.C.Board TNPA4093



R-P.C.Board TNPA4095

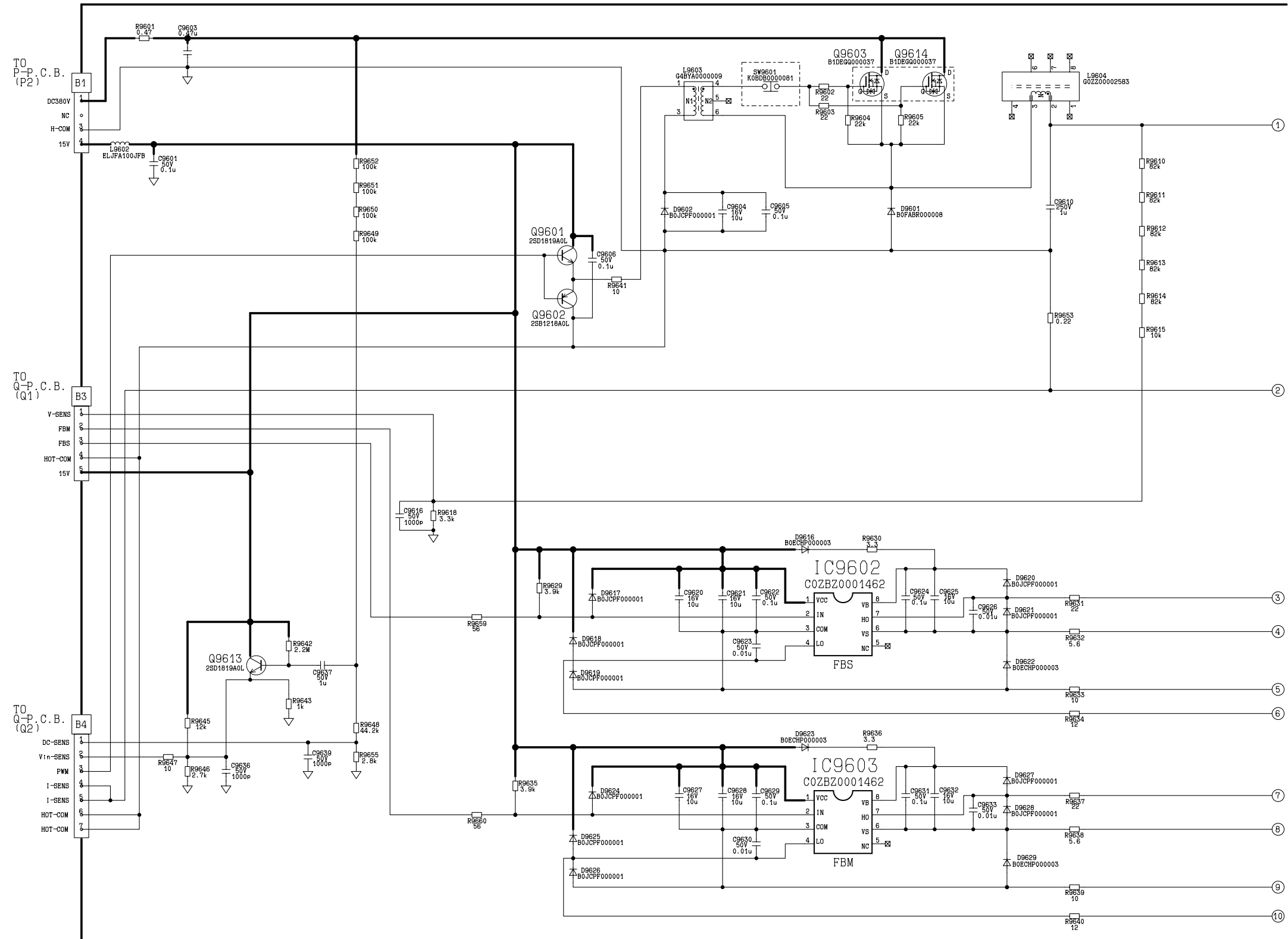




11.12. B-Module (1/2)

B-Module TXANP03VKD4 (1/2) Module Replacement

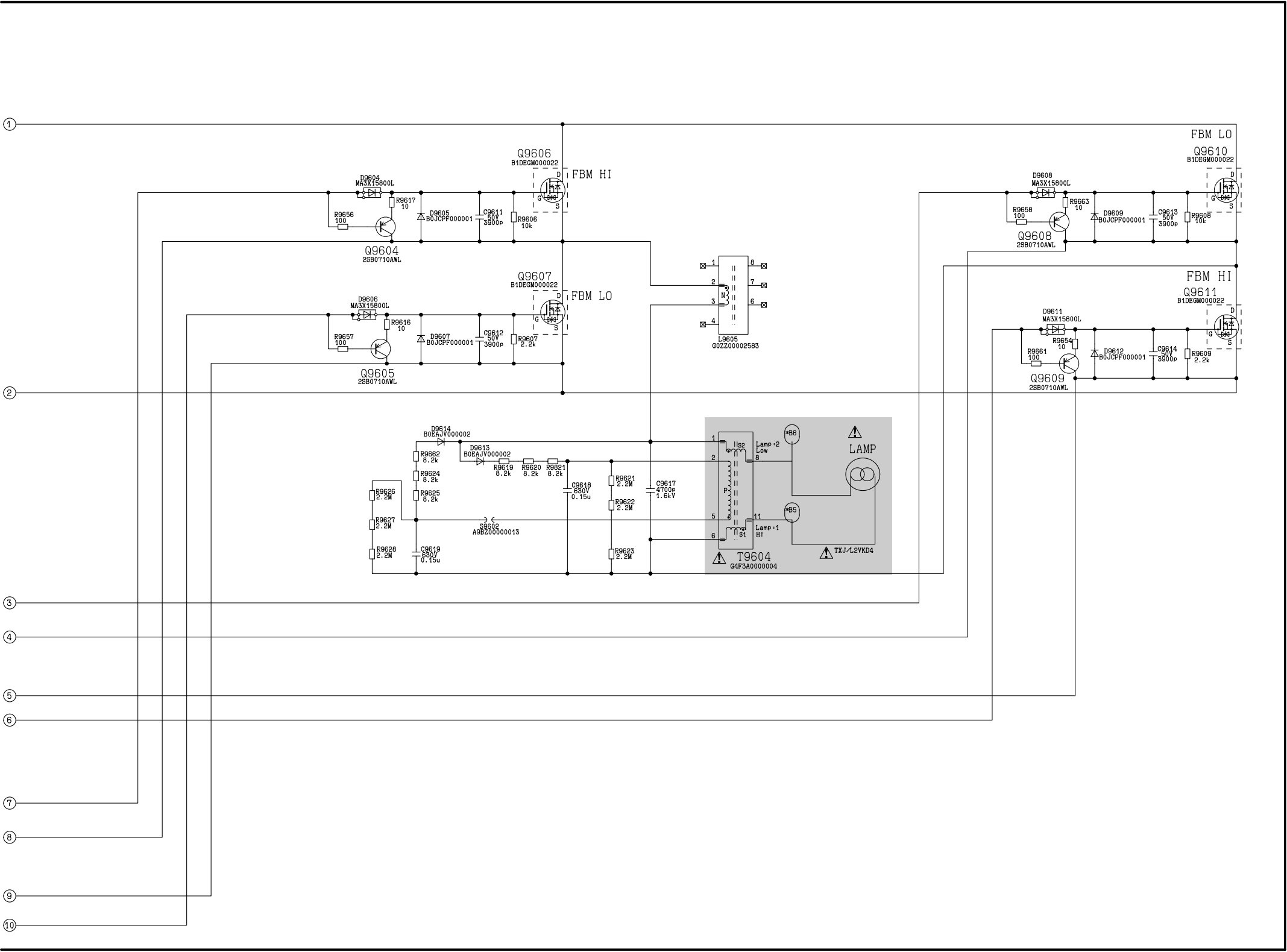
Only supplied components IC9602-03, Q9603-11, Q9614, D9601, D9604-09, D9611-12, D9616-29,
R9601, R9630-34, R9636-40, R9653, C9603, C9610, C9617-19, T9604, SW9601, S9602, TXJ/L2VKD4



11.13. B-Module (2/2)

B-Module TXANP03VKD4 (2/2) Module Replacement

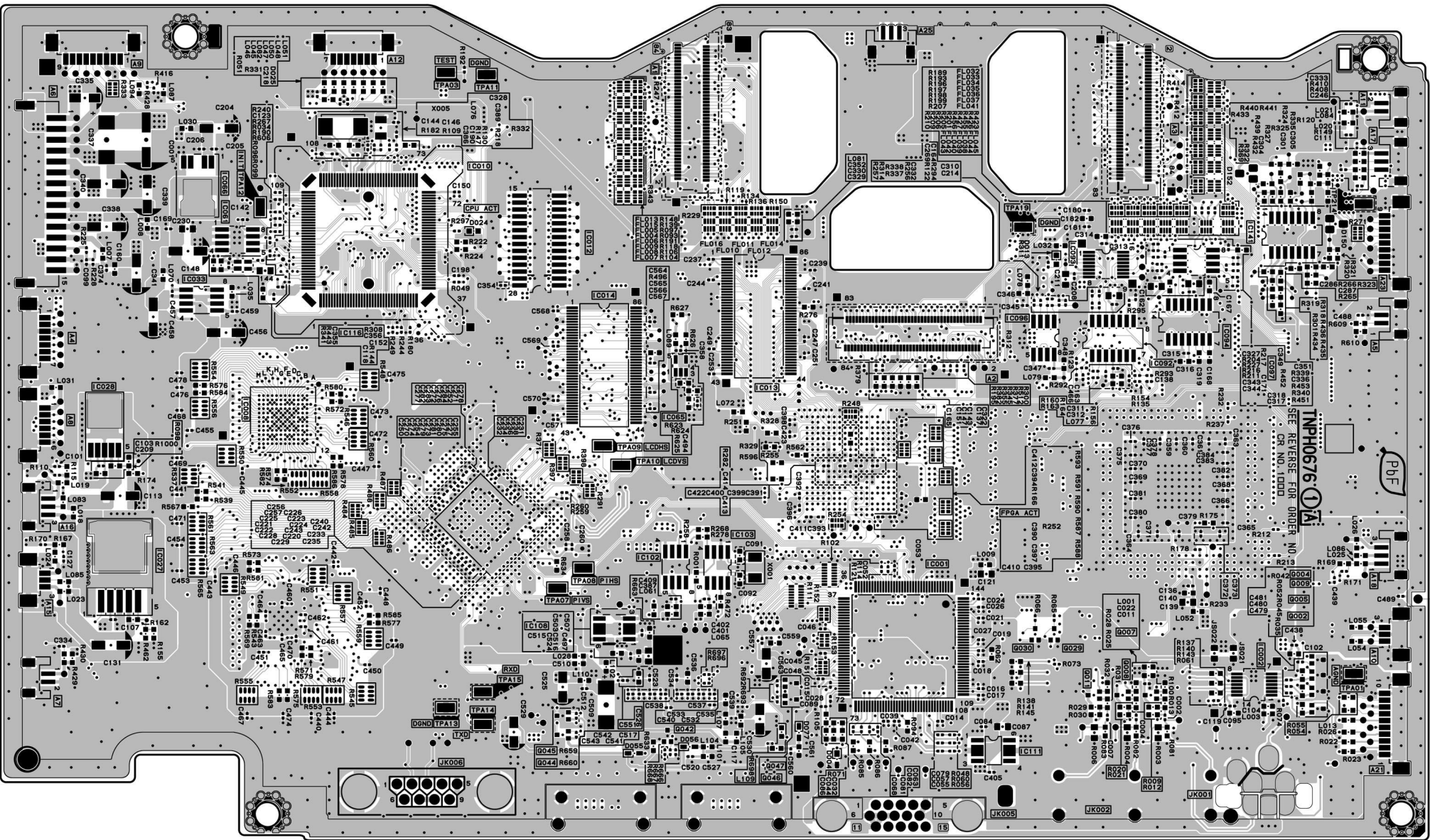
Only supplied components IC9602-03, Q9603-11, Q9614, D9601, D9604-09, D9611-12, D9616-29, R9601, R9630-34, R9636-40, R9653, C9603, C9610, C9617-19, T9604, SW9601, S9602, TXJ/L2VKD4



12 Circuit Boards

12.1. A-P.C.Board (Foil Side)

A-P.C.Board TXANP01VKD4
(Foil Side)



A-P.C.Board (Foil Side)					
IC					
IC1001	B-5	IC1028	C-1	IC1096	C-5
IC1002	B-6	IC1033	C-2	IC1097	C-6
IC1008	C-2	IC1061	C-2	IC1102	B-4
IC1010	C-2	IC1065	C-4	IC1103	B-4
IC1012	C-3	IC1066	D-2	IC1108	B-3
IC1013	C-4	IC1092	C-6	IC1111	A-5
IC1014	C-3	IC1093	C-6	IC1116	C-2
IC1027	B-1	IC1094	C-6	IC1141	C-6
TRANSISTOR					
Q1002	B-7	Q1009	B-7	Q1044	A-3
Q1004	B-7	Q1011	A-6	Q1045	A-3
Q1005	B-7	Q1029	B-6	Q1046	A-4
Q1007	B-6	Q1030	B-5	Q1047	A-4
Q1008	A-6	Q1042	A-4		
TP					
TPA01	A-7	TPA09	B-3	TPA13	A-3
TPA03	D-3	TPA10	B-3	TPA14	A-3
TPA07	B-3	TPA11	D-3	TPA15	A-3
TPA08	B-3	TPA12	D-2	TPA19	C-5

ADDRESS INFORMATION

12.2. A-P.C.Board (Component Side)

A-P.C.Board TXANP01VKD4
(Component Side)

F

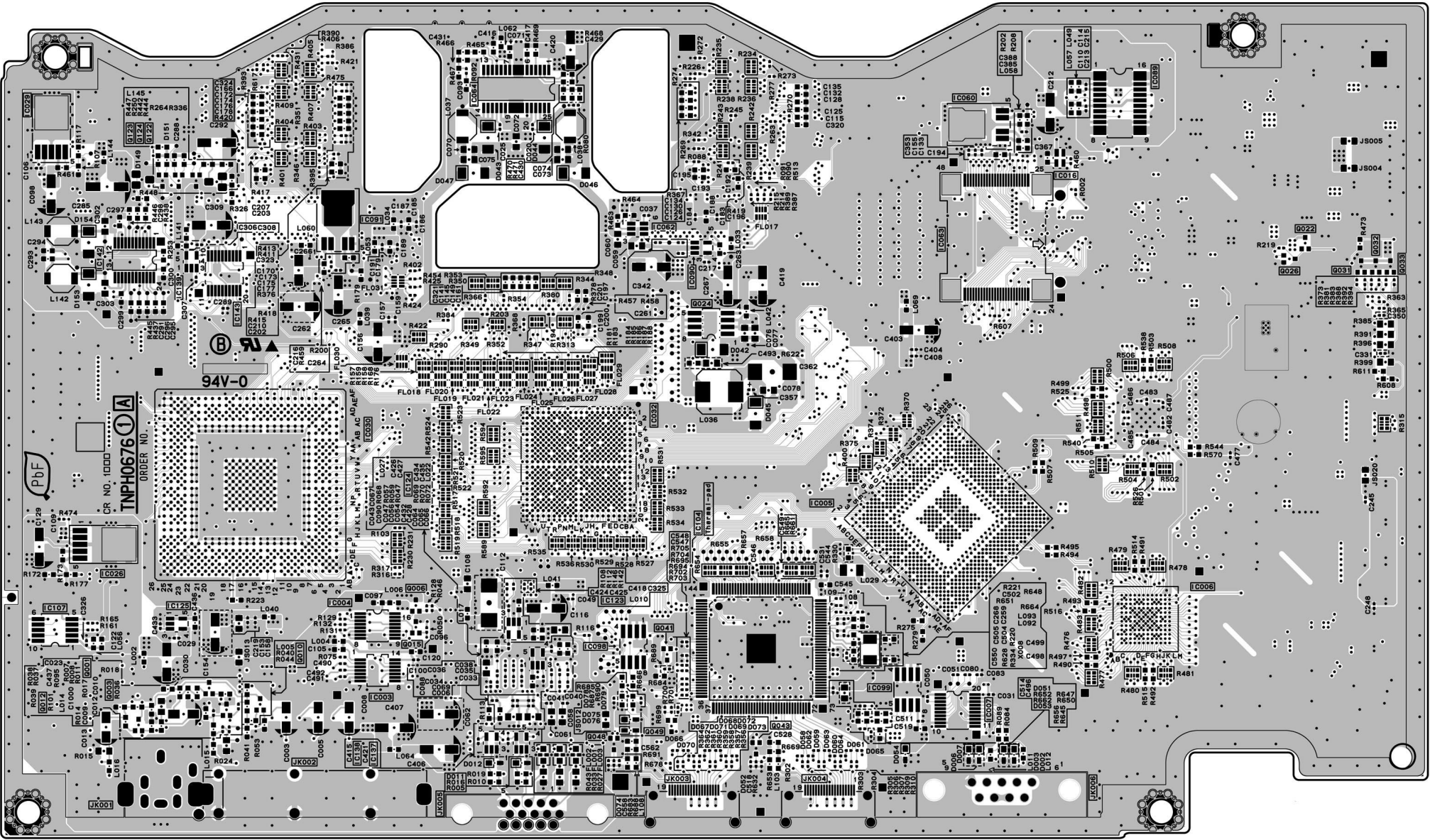
E

D

C

B

A



A-P.C.Board (Component Side)							
IC							
IC1003	A-2	IC1060	D-5	IC1107	B-1		
IC1004	B-2	IC1062	C-4	IC1123	B-3		
IC1005	B-5	IC1063	C-5	IC1124	B-3		
IC1006	B-6	IC1064	D-3	IC1125	B-1		
IC1007	A-5	IC1089	D-6	IC1137	A-2		
IC1016	D-5	IC1090	C-4	IC1138	A-2		
IC1026	B-1	IC1091	C-2	IC1139	C-1		
IC1029	D-1	IC1098	B-4	IC1142	C-1		
IC1030	B-2	IC1099	A-5	IC1143	C-2		
IC1032	B-3	IC1104	B-4				
TRANSISTOR							
Q1001	A-1	Q1024	C-4	Q1048	A-3		
Q1003	A-1	Q1026	C-7	Q1049	A-4		
Q1006	B-3	Q1031	C-7	Q1122	D-1		
Q1010	A-2	Q1032	C-7	Q1123	D-1		
Q1012	A-1	Q1033	C-7	Q1124	D-1		
Q1015	B-3	Q1041	B-4				
Q1022	C-7	Q1043	A-4				

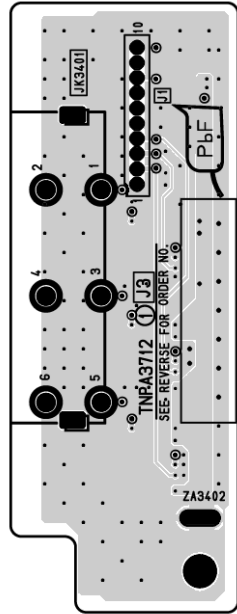
ADDRESS INFORMATION

1 2 3 4 5 6 7 8 9

12.3. J-P.C.Board, V-P.C.Board

F

J-P.C.Board TXANP05QEBZ
(Foil Side)
 (PT-AE1000U only)



E

D

C

B

A

1

2

3

4

5

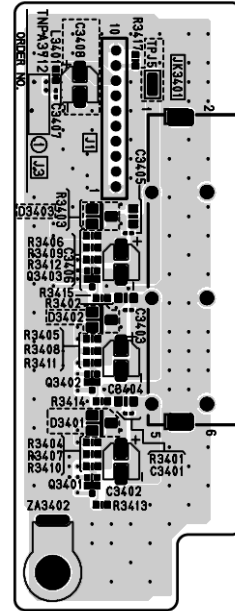
6

7

8

9

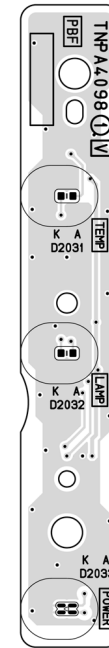
J-P.C.Board TXANP05QEBZ
(Component Side)
 (PT-AE1000U only)



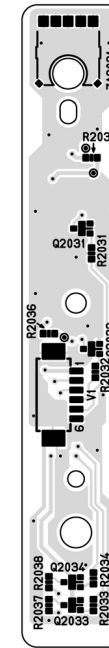
J-P.C.Board (Component Side)	
TRANSISTOR	
Q3401	D-3
Q3402	D-3
Q3403	E-3

ADDRESS INFORMATION

V-P.C.Board TNPA4098
(Foil Side)



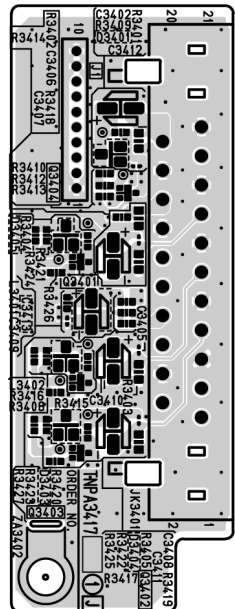
**V-P.C.Board TNPA4098
(Component Side)**



V-P.C.Board (Foil Side)	
TRANSISTOR	
Q2031	E-8
Q2032	D-8
Q2033	D-8
Q2034	D-8

ADDRESS INFORMATION

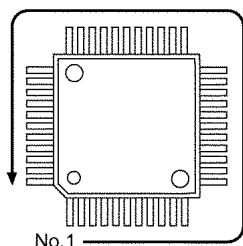
J-P.C.Board TXANP05QECZ
(Component Side)
 (PT-AE1000E only)



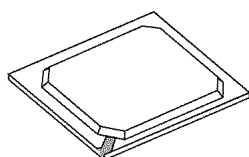
J-P.C.Board (Component Side)	
TRANSISTOR	
Q3401	B-3
Q3402	A-3
Q3403	A-3
Q3404	B-3

ADDRESS INFORMATION

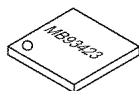
13 Terminal guide of ICs and transistors



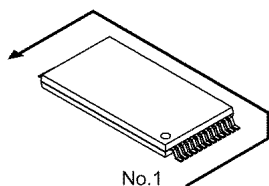
TVRP143 144 Pin
C1AB00002650 144 Pin
C1AB00002535 144 Pin



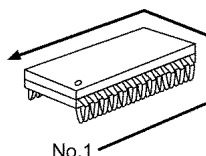
C1AB00002619
C1AB00002628



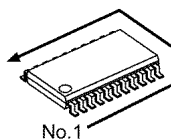
C3ABQJ000048
C1BZ00002496



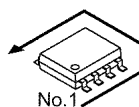
TVRP144 48 Pin



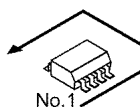
C3BBFC000321 28 Pin



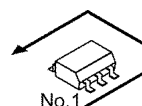
TVRP145 20 Pin
C0ABCA000085 14 Pin
C0JBAR000359 16 Pin
C1AB00002651 14 Pin
C3ABPJ000071 86 Pin
C0JBAR000370 14 Pin
C1BB00000888 24 Pin
C0ZBZ0001361 20 Pin



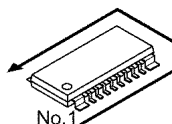
C0ABBB000332 8 Pin
C0ZBZ0001248 8 Pin
C0JBAZ002431 8 Pin
C0DBEFH00001 8 Pin
C0GBG0000053 8 Pin



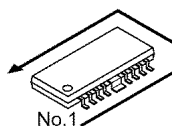
C3EBKC000014 8 Pin



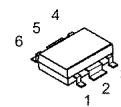
C0DBEYC00001 6 Pin



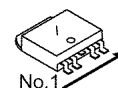
C0GBA0000035 16 Pin



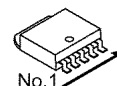
C0DBAKH00004 25 Pin



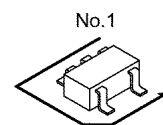
C0DBZGF00002 6 Pin
C0DBZYY00225 6 Pin



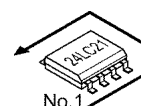
C0CBCYG00004 4 Pin
C0CBCAG00016 4 Pin



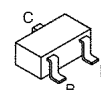
C0DBEKG00004 5 Pin
C0DBEYY00042 5 Pin



C0JBAA000359 5 Pin
C0CBCBD00008 5 Pin
C0CBCDD00004 5 Pin



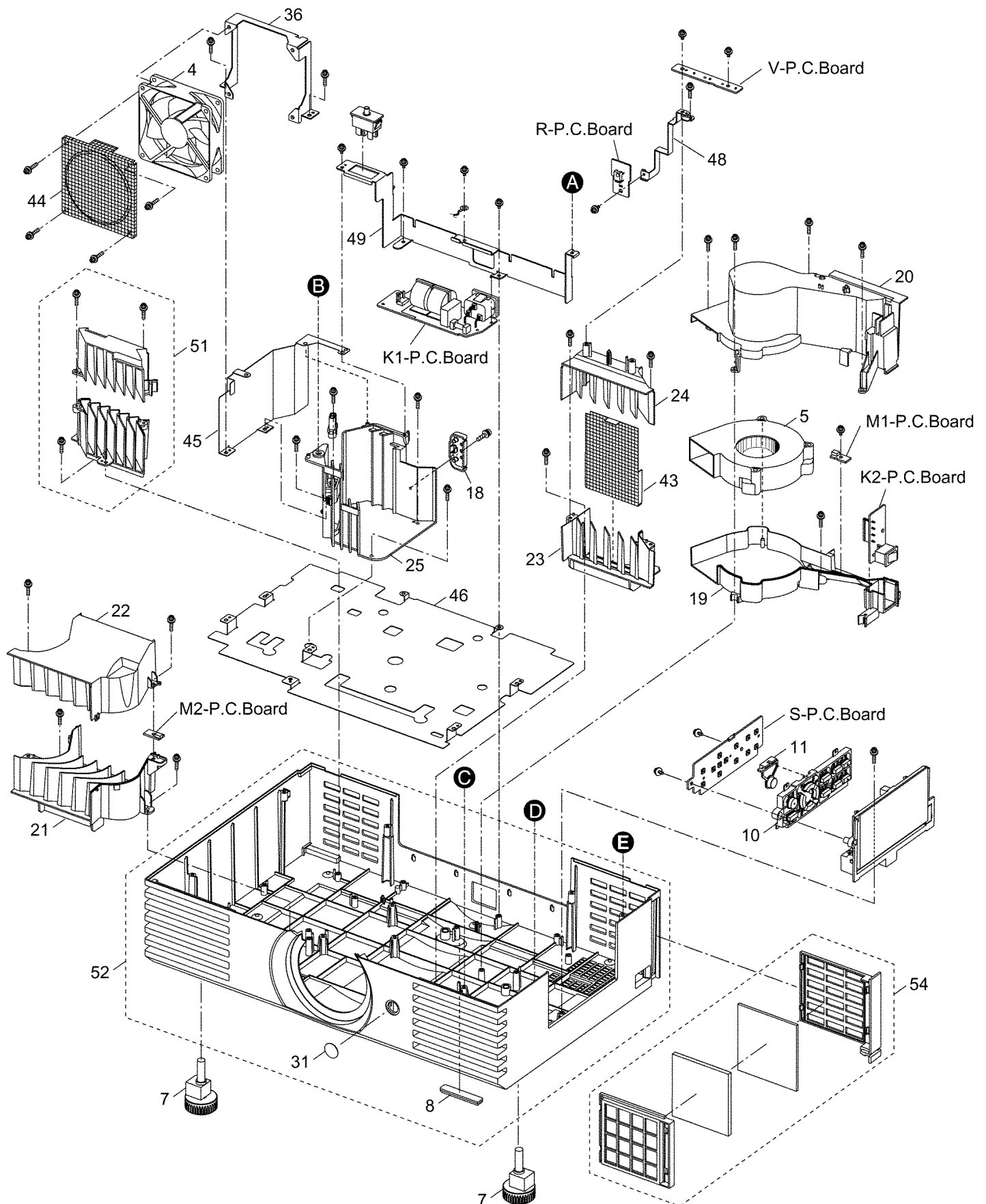
C3EBDC000067 8 Pin



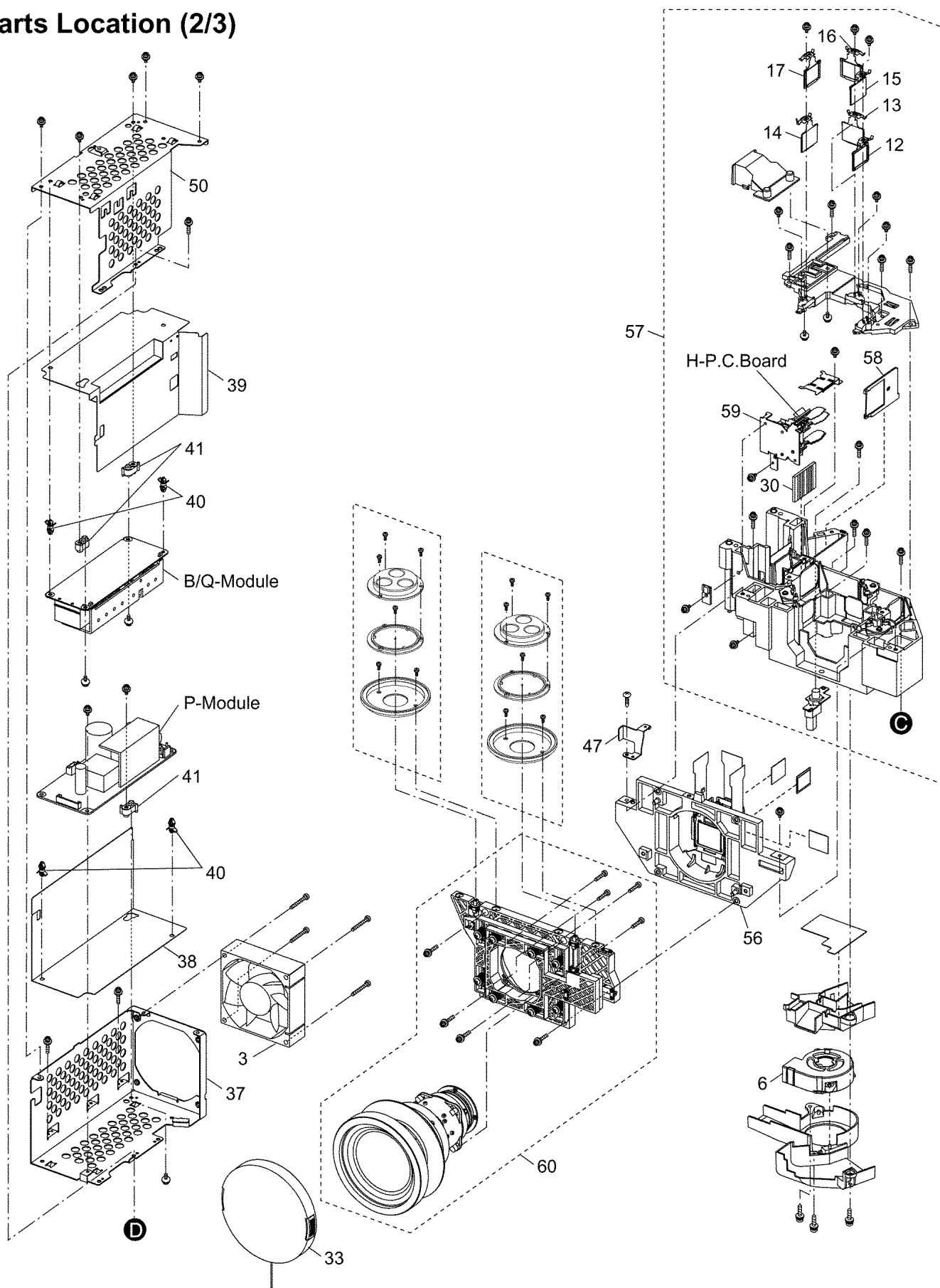
2SB1218A0L
2SD1819A0L

14 Exploded Views

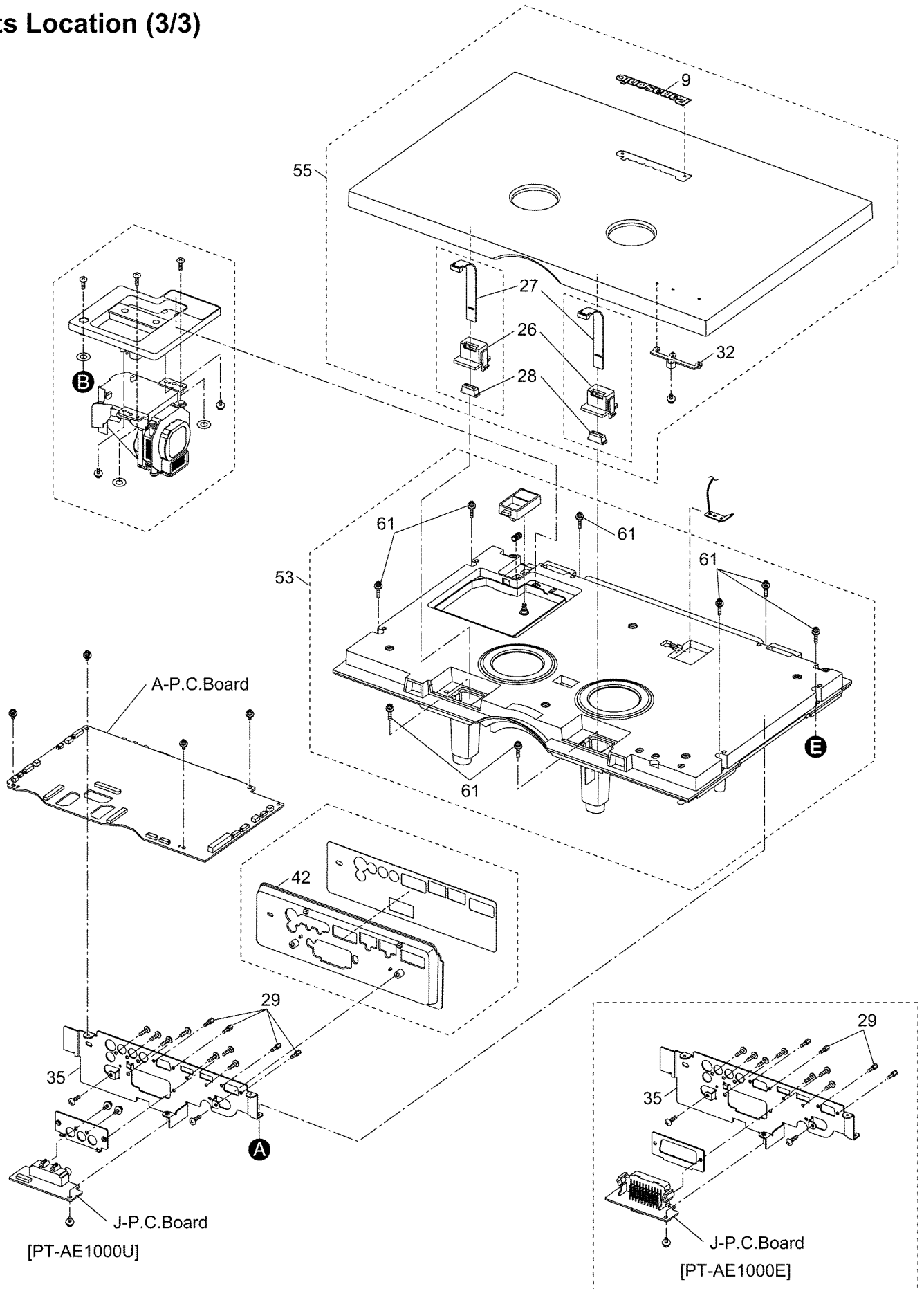
Parts Location (1/3)



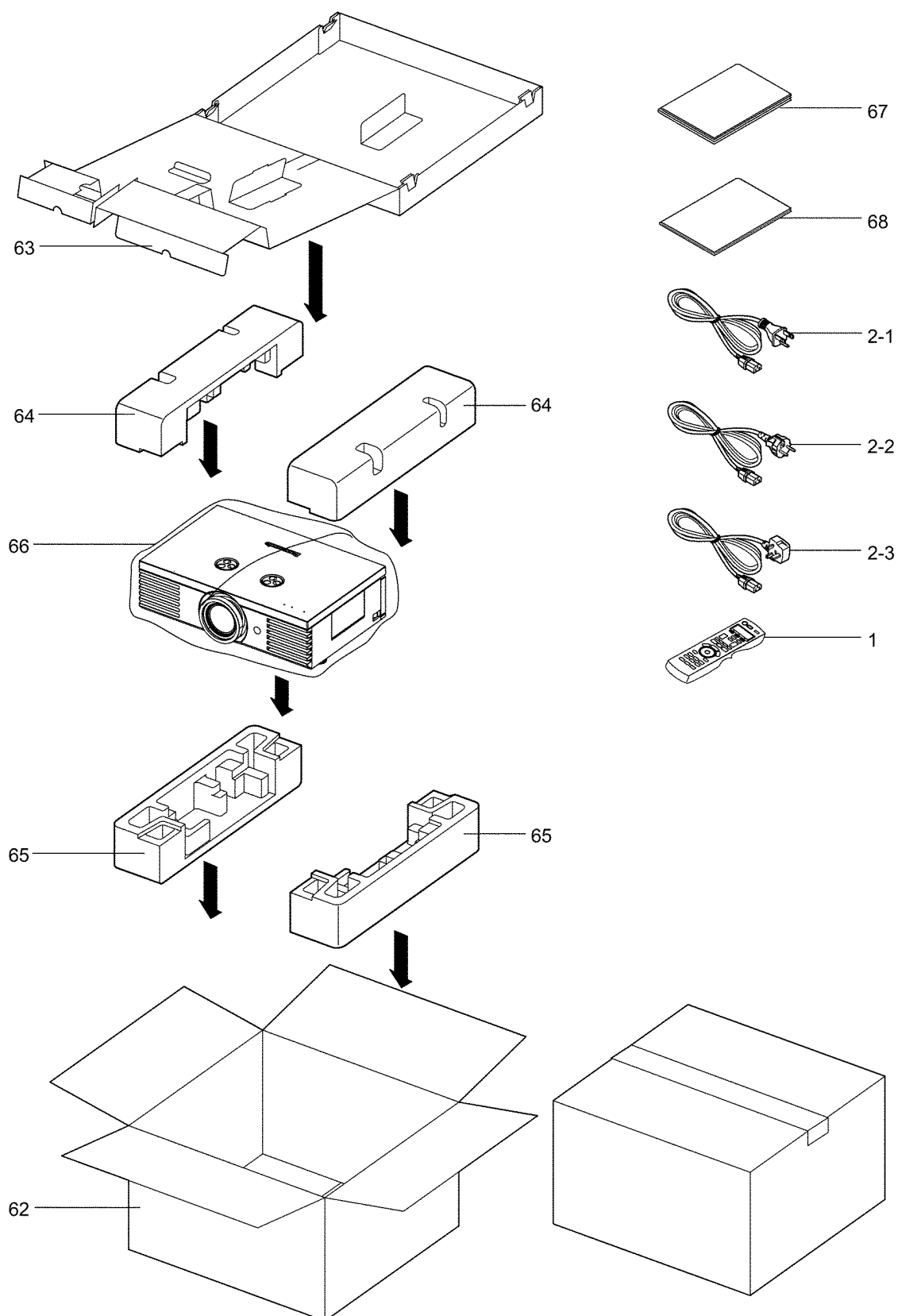
Parts Location (2/3)



Parts Location (3/3)




Packing Parts



15 Replacement Parts List

Important Safety Notice

Components identified by the International symbol  have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : ± 1 %
F : Fuse	G : ± 2 %
M : Metal Oxide	J : ± 5 %
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:



















ECKF1H103ZF C 0.01PF, Z, 50V












TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ±0.25 pF
E : Electrolytic	D : ±0.5 pF
P : Polyester	F : ± 1 pF
PP : Polypropylene	J : ± 5 %
S : Polystyrol	K : ±10 %
T : Tantalum	L : ±15 %
	M : ±20 %
	P : +100 %, -0 %
	Z : +80 %, -20 %

Notes:

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part Name & Description	Remarks
[MECHANICAL PARTS]			
	ET-LAE1000	LAMP	
1	EUR7914Z40	REMOTE CONTROLLER	
	J0KG00000011	CORE	
	J0KG00000032	CORE	
	J0KG00000052	CORE	
	K0ADBE000002	INTERLOCK SW	
2-1	K2CG3FZ00008	POWER CORD	 PT-AE1000U
2-2	K2CM3FZ00003	POWER CORD (EUROPE)	 PT-AE1000E
2-3	K2CT3FZ00003	POWER CORD (UK)	 PT-AE1000E
3	L6FAYYYH0048	POWER FAN	
4	L6FAYYYH0041	VENTILATION FAN	
5	L6FCYYH0011	INHALATION FAN	
6	L6FCYYH0012	PBS FAN	
7	TBLB0063	ADJUSTER LEG	
8	TBLG3090	RUBBER LEG (REAR)	
9	TBMA213	PANASONIC BADGE	
	TBMG405	MODEL NAME PLATE	 PT-AE1000U
	TBMG406	MODEL NAME PLATE	 PT-AE1000E
	TBMG407	MODEL NO. LABEL	 PT-AE1000U
	TBMG408	MODEL NO. LABEL	 PT-AE1000E
	TBMU705	CONTROL BUTTON SHEET	
10	TBXA50201	CONTROL BUTTON 1	
11	TBXA51002	CONTROL BUTTON 2	
12	TEEC0048	POLARIZING PLATE/IN (R)	
13	TEEC0049	POLARIZING PLATE/IN (G)	
14	TEEC0050	POLARIZING PLATE/IN (B)	
15	TEEC0051	PHASE DIFFERENCE PLATE R	
16	TEEC0052	PHASE DIFFERENCE PLATE G	
17	TEEC0053	PHASE DIFFERENCE PLATE B	
18	TEEC5120	TEMP FUSE INSTALL METAL	
19	TEEC5262	INHALATION DUCT 1	
20	TEEC5263	INHALATION DUCT 2	

Ref. No.	Part No.	Part Name & Description	Remarks
21	TEEC5266	LAMP VENTILATION DUCT 1	
22	TEEC5267	LAMP VENTILATION DUCT 2	
23	TEEC5269	POWER VENTILATION DUCT 1	
24	TEEC5270	POWER VENTILATION DUCT 2	
25	TEEC5273	LAMP HOUSE	
26	TEEC5280	TOP PANEL FIX METAL 1	
	TEEC5293	DIAL	
	TEEC5294	DIAL TRAY	
	TEEC5295	MASK	
	TEEC5298	LIGHTING DUCT	
27	TEEC5299	TOP PANEL FIX METAL 2	
28	TEEC5300	TOP PANEL FIX METAL 3	
	TEKX046	RATCH	
	TESA120	BOARD SUPPORT SPRING	
	TESD048	SPRING	
	TEWA833	FILM IMPEDOR	
29	THEC084N	D-SUB FIX SCREW	
	THEC0939	SCREW	
30	TKGP5264	PBS	
31	TKKC5199	REMOTE CONTROL RECEIVER	
32	TKKC5255	LED PLATE	
33	TKKL5379	LENS COVER	
	TKKL5380	CONTROL BUTTON DOOR	
	TKKX5106	INSTALL PLATE 1 (C-BUTTON)	
	TKKX5107	INSTALL PLATE 2 (C-BUTTON)	
	TKZF5043	RCA-TERMINAL METAL	PT-AE1000U
35	TKZF5050	TERMINAL METAL	
36	TKZJ5066	VENTILATION FAN METAL	
37	TKZJ5068	POWER FAN INSTALL METAL	
	TMKG740	SHEET	
	TMKG744	LENS SHIELD SHEET	
	TMKX876	SHADING CUP	
38	TMKY118	POWER INSULATION SHEET	
	TMKY141	SHADING SHEET (A-PCB)	

Ref. No.	Part No.	Part Name & Description	Remarks
	TMKY142	INSULATION SHEET (K-PCB)	△
	TMKY144	SOCKET FIX METAL	
	TMKY147	SHIELD SHEET	
39	TMKY160	BALLAST INSULATION SHEET	△
	TMME244	TIERAP	
40	TMME279	SPACER	△
41	TMXE049	BOARD INSTALL METAL	△
62	TPCC06202	CARTON	PT-AE1000U
	TPCC06203	CARTON	PT-AE1000E
63	TPDF1755	ACCESSORY CARTON	
64	TPDA1480	CUSHION 1	
65	TPDA1481	CUSHION 2	
66	TPEH110-1	SET COVER	
	TQB817002-1	SAFETY SHEET	PT-AE1000U
67	TQBJ0205	INSTRUCTION BOOK	△ PT-AE1000U
	TQBJ0206	INSTRUCTION BOOK	△ PT-AE1000E
68	TQBJ0210	REMOCON OPERATING GUIDE	PT-AE1000U
	TQBJ0211	REMOCON OPERATING GUIDE	PT-AE1000E
	TQBJ7002-2	SUPPORT CENTER SHEET	PT-AE1000U
	TQD1712010	SHEET	
	TQDJ18012-2	GUARANTEE CARD (CANADA)	PT-AE1000U
	TQDJ18026-3	GUARANTEE CARD (USA)	PT-AE1000U
42	TTPA0456	TERMINAL COVER	△ PT-AE1000U
	TTPA0457	TERMINAL COVER	△ PT-AE1000E
43	TUCB5061	POWERBOX SHIELD METAL	
44	TUCB5062	FAN SHIELD METAL	
	TUCB5075	ALUMINUM SHEET 2	
45	TUCB5076	LAMP SHIELD METAL	
	TUCJ5559	BALLAST PLATE	
46	TUCX5224	BASE METAL	
47	TUCX5225	INSTALL METAL (A-PCB)	
48	TUCX5227	METAL (R V-PCB)	
49	TUWC059	INSTALL METAL (K-PCB)	
50	TUXX406	BALLAST INSTALL METAL	
56	TXFEC99VKD4	OPTICAL BLOCK A	
	TXFEC99QECZ	OPTICAL BLOCK B	
57	TXFEC98VKD4	ANALYSIS BLOCK A	
	TXFEC98QECZ	ANALYSIS BLOCK B	
51	TXFEE02VKD4	LAMP INHALATION DUCT ASSY	
52	TXFKF01QEBZ	BOTTOM COVER	△ PT-AE1000U
	TXFKF01QECZ	BOTTOM COVER	△ PT-AE1000E
53	TXFKF02QEBZ	UPPER COVER	△
54	TXFKN01VKD4	FILTER ASSY	
55	TXFKP01QEBZ	TOP PANEL ASSY	△ PT-AE1000U
	TXFKP01QECZ	TOP PANEL ASSY	△ PT-AE1000E
	TXJ/B1VKD3	LEAD WIRE (B1-P2)	△
	TXJ/E1VKD3	EARTH LEAD WIRE	△
	TXJ/E3VKD3	EARTH LEAD WIRE	△
	TXJ/E4VKD3	EARTH LEAD WIRE	△
	TXJ/H1VKD4	LEAD WIRE (H1-A23)	△
	TXJ/J1QEBZ	LEAD WIRE	△
	TXJ/K1VKD4	LEAD WIRE (K1-PK)	△
	TXJ/L2VKD4	LAMP LEAD WIRE	△
	TXJ/L3VKD4	LEAD WIRE	△
	TXJ/M1VKD4	LEAD WIRE	△
	TXJ/P1VKD3	LEAD WIRE (PK-P1)	△
	TXJ/P3VKD4	LEAD WIRE (P3-A6)	△
	TXJ/Q3VKD4	LEAD WIRE (Q3-A4)	△
	TXJ/R1VKD4	LEAD WIRE	△
	TXJ/S1VKD4	LEAD WIRE (S PWB-A8)	△
58	TXZEC03VKD4	CINEMA FILTER ASSY	
59	TXZEN01VKD4	IRIS UNIT ASSY	
60	TXZKG03VKD4	LENS	△
	TYZQD008	GUARANTEE BAG	
	XQN17+CJ4FJK	SCREW	
	XQN2+CJ10FJ	SCREW	
	XQS17+C6FJK	SCREW	
	XSN3+8FJK	SCREW	
61	XTB3+12CFN	SCREW	

Ref. No.	Part No.	Part Name & Description	Remarks
	XTBT969FJK	SCREW	
	XTN3+6GFJ	SCREW	
	XTW3+8PFJ	SCREW	
	XYN2+F6FJ	SCREW	
	XYN2+J4FJ	SCREW	
	XYN3+F8FJ	SCREW	
	XYN3+J12FJ	SCREW	
	XYN3+J8FJ	SCREW	
	XYN4+E8FJ	SCREW	
	XYN4+F32FJ	SCREW	
	XYN4+J12FJ	SCREW	
	XZBT6506	POLY BAG	
[INTGRATED CIRCUIT]			
IC1001	C1AB00002650	I.C	
IC1002	C1AB00002651	I.C	
IC1003	C1AB00002651	I.C	
IC1004	C0JBAR000370	I.C	
IC1005	C1AB00002628	I.C	
IC1006	C3ABQJ000048	I.C	
IC1007	C0ZBZ0001361	I.C	
IC1008	C3ABQJ000048	I.C	
IC1010	TVRP143	I.C	
IC1012	C3BBFC000321	I.C	
IC1013	C3ABPJ000071	I.C	
IC1014	C3ABPJ000071	I.C	
IC1016	C0EBE0000336	I.C	
IC1026	C0DBEKG00004	I.C	
IC1027	C0DBEYY00042	I.C	
IC1028	C0DBEKG00004	I.C	
IC1029	C0DBEKG00004	I.C	
IC1030	C1AB00002619	I.C	
IC1032	C1ZBZ0002496	I.C	
IC1033	C0DBEFH00001	I.C	
IC1060	C0CBCYG00004	I.C	
IC1061	C3EBKC000014	I.C	
IC1062	C0DBEYC00001	I.C	
IC1063	TVRP144	I.C	
IC1064	C0DBAKH00004	I.C	
IC1065	C0DBAYY00202	I.C	
IC1066	C0CBCAG00016	I.C	
IC1089	C0GBA0000035	I.C	
IC1090	C0CBCDD00004	I.C	
IC1091	C0CBCYG00004	I.C	
IC1092	C0ABCA000085	I.C	
IC1093	C0JBAR000359	I.C	
IC1094	C0ABCA000085	I.C	
IC1096	C0ABBB000332	I.C	
IC1097	C0ABBB000332	I.C	
IC1098	C3EBDC000067	I.C	
IC1099	C3EBDC000067	I.C	
IC1102	C0JBAZ002431	I.C	
IC1103	C0ZBZ0001473	I.C	
IC1104	C1AB00002535	I.C	
IC1107	C0GBG0000053	I.C	
IC1108	C0DBZYY00225	I.C	
IC1111	C0DBZGF00002	I.C	
IC1116	C0EBE0000336	I.C	
IC1123	C0CBCAD00015	I.C	
IC1124	C0CBCAD00015	I.C	
IC1125	C0CBCDD00004	I.C	
IC1137	C0JBAA000359	I.C	
IC1138	C0JBAA000359	I.C	
IC1139	C0CBCBD00008	I.C	
IC1141	C0ABCA000085	I.C	
IC1142	C1BB00000888	I.C	
IC1143	TVRP145	I.C	
IC9602	C0ZBZ0001462	I.C (B-PCB)	
IC9603	C0ZBZ0001462	I.C (B-PCB)	
[TRANSISTORS]			

Ref. No.	Part No.	Part Name & Description	Remarks
Q1001	B1ABCF000020	TRANSISTOR	
Q1002	B1ADCF000063	TRANSISTOR	
Q1003	B1ADCF000063	TRANSISTOR	
Q1004	B1ADCF000063	TRANSISTOR	
Q1005	B1ADCF000063	TRANSISTOR	
Q1006	B1ABCF000020	TRANSISTOR	
Q1007	B1ABCF000020	TRANSISTOR	
Q1008	B1ABCF000020	TRANSISTOR	
Q1009	B1ADCF000063	TRANSISTOR	
Q1010	B1ABCF000020	TRANSISTOR	
Q1011	B1ABCF000020	TRANSISTOR	
Q1012	B1ABCF000020	TRANSISTOR	
Q1015	B1ADCF000063	TRANSISTOR	
Q1022	B1ABCF000020	TRANSISTOR	
Q1024	B1CHQD000004	TRANSISTOR	
Q1026	B1GBCFJJ0007	TRANSISTOR	
Q1029	B1GBCFJJ0007	TRANSISTOR	
Q1030	B1GBCFJJ0007	TRANSISTOR	
Q1031	B1ABCF000020	TRANSISTOR	
Q1041	B1GBCFJJ0007	TRANSISTOR	
Q1042	B1CBGD000001	TRANSISTOR	
Q1043	B1GBCFJJ0007	TRANSISTOR	
Q1044	B1CBGD000001	TRANSISTOR	
Q1045	B1CBGD000001	TRANSISTOR	
Q1046	B1CBGD000001	TRANSISTOR	
Q1047	B1CBGD000001	TRANSISTOR	
Q1048	B1GBCFJJ0007	TRANSISTOR	
Q1049	B1CBGD000001	TRANSISTOR	
Q1122	B1ABCF000020	TRANSISTOR	
Q1123	B1ADCF000063	TRANSISTOR	
Q1124	B1ABCF000020	TRANSISTOR	
Q2031	B1GBCFJJ0007	TRANSISTOR	
Q2032	B1GBCFJJ0007	TRANSISTOR	
Q2033	B1GDCFJJ0008	TRANSISTOR	
Q2034	B1GDCFJJ0008	TRANSISTOR	
Q3401	B1ABCF000020	TRANSISTOR	
Q3402	B1ABCF000020	TRANSISTOR	
Q3403	B1ABCF000020	TRANSISTOR	
Q3404	B1ABCF000020	TRANSISTOR	PT-AE1000E
Q9603	B1DEGM000037	TRANSISTOR	
Q9604	2SB0710AWL	TRANSISTOR (B-PCB)	
Q9605	2SB0710AWL	TRANSISTOR (B-PCB)	
Q9606	B1DEGM000022	TRANSISTOR	
Q9607	B1DEGM000022	TRANSISTOR	
Q9608	2SB0710AWL	TRANSISTOR (B-PCB)	
Q9609	2SB0710AWL	TRANSISTOR (B-PCB)	
Q9610	B1DEGM000022	TRANSISTOR	
Q9610D	J0KA00000033	FILTER	
Q9611	B1DEGM000022	TRANSISTOR	
Q9614	B1DEGM000037	TRANSISTOR	
[DIODES]			
D1004	MAZ80330HL	DIODE	
D1011	MA8056M	DIODE	
D1012	MA8056M	DIODE	
D1013	B3AAB0000038	DIODE	
D1025	EZJZ0V171AA	VARISTOR	
D1042	B0JCPD000026	DIODE	
D1043	B0JCPD000026	DIODE	
D1044	B0JCPD000026	DIODE	
D1045	B0BC3R800009	DIODE	
D1046	B0BC3R800009	DIODE	
D1047	B0BC3R800009	DIODE	
D1051	EZJZ0V8008B	VARISTOR	
D1052	EZJZ0V171AA	VARISTOR	
D1053	EZJZ0V171AA	VARISTOR	
D1054	MA8056M	DIODE	
D1055	B0JCAE000001	DIODE	
D1056	B0JCGD000002	DIODE	
D1058	EZAEG2A50AX	DIODE	
D1059	EZAEG2A50AX	DIODE	
D1060	EZAEG2A50AX	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D1061	EZAEG2A50AX	DIODE	
D1062	EZAEG2A50AX	DIODE	
D1063	EZAEG2A50AX	DIODE	
D1064	EZAEG2A50AX	DIODE	
D1065	EZAEG2A50AX	DIODE	
D1066	EZAEG2A50AX	DIODE	
D1067	EZAEG2A50AX	DIODE	
D1068	EZAEG2A50AX	DIODE	
D1069	EZAEG2A50AX	DIODE	
D1070	EZAEG2A50AX	DIODE	
D1071	EZAEG2A50AX	DIODE	
D1072	EZAEG2A50AX	DIODE	
D1073	EZAEG2A50AX	DIODE	
D1074	EZJZ0V171AA	VARISTOR	
D1075	MA8056M	DIODE	
D1076	B0JCAE000001	DIODE	
D1077	B0JCGD000002	DIODE	
D1078	EZJZ0V80008B	VARISTOR	
D1079	EZJZ0V171AA	VARISTOR	
D1149	MA152WK	DIODE	
D1150	MA152WK	DIODE	
D1151	MA3X15300L	DIODE	
D1152	MA704A	DIODE	
D1153	B0JCPD000026	DIODE	
D1154	B0JCPD000026	DIODE	
D2031	B3AAB0000038	DIODE	
D2032	B3AAB0000038	DIODE	
D2033	B3AGB0000044	DIODE	
D9101	ERZV10D471	VARISTOR	△
D9102	ERZV10D471	VARISTOR	△
D9601	B0FABR000008	DIODE (B-PCB)	
D9604	MA158TX	DIODE (B-PCB)	
D9605	B0JCPF000001	DIODE (B-PCB)	
D9606	MA158TX	DIODE (B-PCB)	
D9607	B0JCPF000001	DIODE (B-PCB)	
D9608	MA158TX	DIODE (B-PCB)	
D9609	B0JCPF000001	DIODE (B-PCB)	
D9611	MA158TX	DIODE (B-PCB)	
D9612	B0JCPF000001	DIODE (B-PCB)	
D9616	B0EHP000003	DIODE (B-PCB)	
D9617	B0JCPF000001	DIODE (B-PCB)	
D9618	B0JCPF000001	DIODE (B-PCB)	
D9619	B0JCPF000001	DIODE (B-PCB)	
D9620	B0JCPF000001	DIODE (B-PCB)	
D9621	B0JCPF000001	DIODE (B-PCB)	
D9622	B0EHP000003	DIODE (B-PCB)	
D9623	B0EHP000003	DIODE (B-PCB)	
D9624	B0JCPF000001	DIODE (B-PCB)	
D9625	B0JCPF000001	DIODE (B-PCB)	
D9626	B0JCPF000001	DIODE (B-PCB)	
D9627	B0JCPF000001	DIODE (B-PCB)	
D9628	B0JCPF000001	DIODE (B-PCB)	
D9629	B0EHP000003	DIODE (B-PCB)	
[COILS]			
L1001	J0JCC0000168	FILTER	
L1002	J0JCC0000168	FILTER	
L1003	J0JCC0000168	FILTER	
L1004	J0JCC0000168	FILTER	
L1005	J0JCC0000168	FILTER	
L1006	J0JCC0000168	FILTER	
L1007	J0JCC0000168	FILTER	
L1008	J0JCC0000168	FILTER	
L1009	J0JCC0000168	FILTER	
L1010	J0JCC0000168	FILTER	
L1011	J0JCC0000168	FILTER	
L1012	J0JCC0000168	FILTER	
L1013	J0JCC0000168	FILTER	
L1014	J0JCC0000168	FILTER	
L1015	J0JCC0000168	FILTER	
L1016	J0JCC0000168	FILTER	
L1017	J0JCC0000168	FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
L1018	J0JHC0000078	FILTER	
L1019	J0JHC0000078	FILTER	
L1020	J0JHC0000078	FILTER	
L1021	J0JHC0000078	FILTER	
L1022	J0JCC0000168	FILTER	
L1023	J0JHC0000078	FILTER	
L1024	J0JHC0000078	FILTER	
L1025	J0JHC0000078	FILTER	
L1026	J0JHC0000078	FILTER	
L1027	J0JCC0000168	FILTER	
L1028	J0JJC0000022	EMI FILTER	
L1029	ELJFA470JFB	COIL	
L1030	J0JJC0000022	EMI FILTER	
L1031	J0JCC0000168	FILTER	
L1032	J0JJC0000022	EMI FILTER	
L1033	J0JJC0000022	EMI FILTER	
L1034	J0JJC0000022	EMI FILTER	
L1035	J0JJC0000022	EMI FILTER	
L1036	G1C4R7MA0106	INDUCTOR	
L1037	G1C4R7MA0077	INDUCTOR	
L1038	G1C4R7MA0077	INDUCTOR	
L1039	J0JJC0000022	EMI FILTER	
L1040	J0JJC0000022	EMI FILTER	
L1041	J0JJC0000022	EMI FILTER	
L1042	J0JJC0000022	EMI FILTER	
L1045	J0JCC0000168	FILTER	
L1046	J0JCC0000168	FILTER	
L1047	J0JCC0000168	FILTER	
L1048	J0JCC0000168	FILTER	
L1049	J0JJC0000022	EMI FILTER	
L1050	J0JCC0000168	FILTER	
L1051	J0JCC0000168	FILTER	
L1052	J0JCC0000168	FILTER	
L1053	J0JJC0000022	EMI FILTER	
L1054	J0JCC0000168	FILTER	
L1055	J0JCC0000168	FILTER	
L1056	J0JJC0000022	EMI FILTER	
L1057	J0JJC0000022	EMI FILTER	
L1058	J0JJC0000022	EMI FILTER	
L1060	J0JJC0000022	EMI FILTER	
L1061	J0JCC0000168	FILTER	
L1062	J0JJC0000022	EMI FILTER	
L1064	J0JJC0000022	EMI FILTER	
L1065	J0JCC0000168	FILTER	
L1069	J0JJC0000022	EMI FILTER	
L1070	J0JJC0000022	EMI FILTER	
L1072	J0JJC0000022	EMI FILTER	
L1076	ELJFA470JFB	COIL	
L1077	J0JJC0000022	EMI FILTER	
L1078	J0JJC0000022	EMI FILTER	
L1079	J0JJC0000022	EMI FILTER	
L1081	J0JJC0000022	EMI FILTER	
L1082	J0JCC0000168	FILTER	
L1083	J0JHC0000078	FILTER	
L1084	J0JHC0000078	FILTER	
L1085	J0JHC0000078	FILTER	
L1086	J0JHC0000078	FILTER	
L1087	J0JCC0000168	FILTER	
L1089	J0JJC0000022	EMI FILTER	
L1092	J0JCC0000168	FILTER	
L1093	J0JCC0000168	FILTER	
L1094	J0JCC0000168	FILTER	
L1101	J0JCC0000168	FILTER	
L1102	J0JCC0000168	FILTER	
L1103	J0JCC0000168	FILTER	
L1104	J0JCC0000168	FILTER	
L1105	J0JCC0000168	FILTER	
L1107	J0JCC0000168	FILTER	
L1108	J0JCC0000168	FILTER	
L1109	J0JCC0000168	FILTER	
L1110	J0JCC0000168	FILTER	
L1141	J0JJC0000022	EMI FILTER	
L1142	G1C330MA0077	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L1143	G1C330MA0077	COIL	
L1144	J0JJC0000022	EMI FILTER	
L1145	J0JJC0000022	EMI FILTER	
L3401	J0JCC0000022	FILTER	PT-AE1000U
L3401	J0JCC0000168	FILTER	PT-AE1000E
L3402	J0JCC0000168	FILTER	PT-AE1000E
L9603	G4BYA0000009	PULSE TRANS	
LF9101	G0B692J00001	CHOKE COIL	△
LF9102	G0B692J00001	CHOKE COIL	△
FL1001	J0HABC000011	FILTER	
FL1002	J0HABC000011	FILTER	
FL1003	J0HABC000011	FILTER	
FL1004	J0JYD0000020	FILTER	
FL1005	J0JYD0000020	FILTER	
FL1006	J0JYD0000020	FILTER	
FL1007	J0JYD0000020	FILTER	
FL1008	J0JYD0000020	FILTER	
FL1009	J0JYD0000020	FILTER	
FL1010	J0JYD0000020	FILTER	
FL1011	J0JYD0000020	FILTER	
FL1012	J0JYD0000020	FILTER	
FL1013	J0JYD0000020	FILTER	
FL1014	J0JYD0000020	FILTER	
FL1015	J0JYD0000020	FILTER	
FL1016	J0JYD0000020	FILTER	
FL1017	J0JYD0000020	FILTER	
FL1018	J0JYD0000020	FILTER	
FL1019	J0JYD0000020	FILTER	
FL1020	J0JYD0000020	FILTER	
FL1021	J0JYD0000020	FILTER	
FL1022	J0JYD0000020	FILTER	
FL1023	J0JYD0000020	FILTER	
FL1024	J0JYD0000020	FILTER	
FL1025	J0JYD0000020	FILTER	
FL1026	J0JYD0000020	FILTER	
FL1027	J0JYD0000020	FILTER	
FL1028	J0JYD0000020	FILTER	
FL1029	J0JYD0000020	FILTER	
FL1030	J0JYD0000020	FILTER	
FL1031	J0JYD0000020	FILTER	
FL1032	J0JYD0000020	FILTER	
FL1033	J0JYD0000020	FILTER	
FL1034	J0JYD0000020	FILTER	
FL1035	J0JYD0000020	FILTER	
FL1036	J0JYD0000020	FILTER	
FL1037	J0JYD0000020	FILTER	
FL1038	J0JYD0000020	FILTER	
FL1039	J0JYD0000020	FILTER	
FL1040	J0JYD0000020	FILTER	
FL1041	J0JYD0000020	FILTER	
FL1042	J0JYD0000020	FILTER	
FL1043	J0JYD0000020	FILTER	
FL1044	J0JYD0000020	FILTER	
FL1045	J0JYD0000020	FILTER	
[RESISTORS]			
R1000	ERJ3EKF1003	RESISTOR	
R1001	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1002	ERJ2GEJ220	M 22 OHM, 0.063W	
R1003	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1004	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1005	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R1006	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1007	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R1008	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R1009	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R1010	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R1011	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R1012	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R1013	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R1014	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1015	ERJ6GEYJ750	M 75 OHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1016	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R1017	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R1018	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1019	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R1020	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1021	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1022	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1023	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1024	ERJ6GEYJ750	M 75 OHM,J,1/10W	
R1025	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1026	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1027	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1028	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1029	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1030	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1031	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1032	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1033	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1034	ERJ2GEJ103	M 10K OHM, 0.063W	
R1035	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1036	ERJ2GEJ103	M 10K OHM, 0.063W	
R1037	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1038	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1039	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1040	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1041	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1042	ERJ2GEJ103	M 10K OHM, 0.063W	
R1043	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1044	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1045	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1046	ERJ2GEJ682X	RESISTOR	
R1047	ERJ2GEJ331	M 330 OHM, 0.063W	
R1048	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1049	ERJ2GEJ103	M 10K OHM, 0.063W	
R1050	ERJ2GEJ221	M 220 OHM, 0.063W	
R1051	ERJ2GEJ473	M 47K OHM, 0.063W	
R1052	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1053	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1054	ERJ3GEYJ180	RESISTOR	
R1055	ERJ3GEYJ180	RESISTOR	
R1056	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1057	ERJ2GEJ331	M 330 OHM, 0.063W	
R1059	ERJ2GEJ331	M 330 OHM, 0.063W	
R1060	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1061	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1062	ERJ3EKF1371	M 1.37KOHM,0.063W	
R1065	ERJ2GEJ103	M 10K OHM, 0.063W	
R1066	ERJ2GEJ103	M 10K OHM, 0.063W	
R1068	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1069	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1070	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1071	ERJ3EKF1600	RESISTOR	
R1072	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1073	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1074	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1075	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1080	ERJ2GEJ102	M 1K OHM, 0.063W	
R1081	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1082	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1083	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1084	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R1085	ERJ3GEYJ180	RESISTOR	
R1086	ERJ3GEYJ180	RESISTOR	
R1087	ERJ3GEYJ180	RESISTOR	
R1088	ERJ2GEJ220	M 22 OHM, 0.063W	
R1089	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R1090	ERJ2GEJ220	M 22 OHM, 0.063W	
R1091	ERJ2GEJ220	M 22 OHM, 0.063W	
R1092	ERJ2GEJ102	M 1K OHM, 0.063W	
R1093	EXB28V470JX	RESISTOR ARRAY	
R1094	ERJ3EKF1371	M 1.37KOHM,0.063W	
R1095	ERJ6GEYJ750	M 75 OHM,J,1/10W	
R1096	ERJ2GEJ472	M 4.7KOHM, 0.063W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1097	EXB28V470JX	RESISTOR ARRAY	
R1098	ERJ3EKF1002	M 10KOHM, 1/16W	
R1099	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1100	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1101	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1102	D1HG2208A002	RESISTOR	
R1103	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1104	EXB28V470JX	RESISTOR ARRAY	
R1105	ERJ3EKF1691	M1.69KOHM, 1/16W	
R1106	EXB28V470JX	RESISTOR ARRAY	
R1107	ERJ3EKF1002	M 10KOHM, 1/16W	
R1108	ERJ2GEJ220	M 22 OHM, 0.063W	
R1109	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1110	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1111	D1HG2208A002	RESISTOR	
R1112	ERJ2GEJ220	M 22 OHM, 0.063W	
R1113	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R1114	ERJ2GEJ220	M 22 OHM, 0.063W	
R1115	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1116	ERJ2GEJ220	M 22 OHM, 0.063W	
R1117	ERJ3EKF3302	M 33KOHM, 1/16W	
R1118	EXB28V470JX	RESISTOR ARRAY	
R1119	EXB28V470JX	RESISTOR ARRAY	
R1120	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1121	ERJ2GEJ220	M 22 OHM, 0.063W	
R1122	ERJ2GEJ391	RESISTOR	
R1123	ERJ2GEJ391	RESISTOR	
R1128	ERJ2GEJ332X	RESISTOR	
R1129	ERJ2GEJ331	M 330 OHM, 0.063W	
R1130	ERJ2GEJ220	M 22 OHM, 0.063W	
R1131	ERJ2GEJ331	M 330 OHM, 0.063W	
R1132	ERJ2GEJ100	M 10 OHM, 0.063W	
R1134	EXB28V470JX	RESISTOR ARRAY	
R1135	ERJ2GEJ103	M 10K OHM, 0.063W	
R1136	EXB28V470JX	RESISTOR ARRAY	
R1137	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1138	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1139	EXB28V470JX	RESISTOR ARRAY	
R1140	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1141	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1143	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1144	ERJ2GEJ103	M 10K OHM, 0.063W	
R1145	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1147	ERJ2GEJ221	M 220 OHM, 0.063W	
R1148	EXB28V470JX	RESISTOR ARRAY	
R1149	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1150	EXB28V470JX	RESISTOR ARRAY	
R1151	EXB28V220J	RESISTOR ARRAY	
R1152	EXB28V220J	RESISTOR ARRAY	
R1153	EXB28V220J	RESISTOR ARRAY	
R1154	ERJ2GEJ103	M 10K OHM, 0.063W	
R1155	ERJ3EKF1002	M 10KOHM, 1/16W	
R1156	ERJ2GEJ512X	RESISTOR	
R1157	EXB28V470JX	RESISTOR ARRAY	
R1158	EXB28V470JX	RESISTOR ARRAY	
R1159	EXB28V470JX	RESISTOR ARRAY	
R1160	ERJ2GEJ103	M 10K OHM, 0.063W	
R1161	ERJ2GEJ103	M 10K OHM, 0.063W	
R1162	ERJ3EKF1003	RESISTOR	
R1163	ERJ2GEJ103	M 10K OHM, 0.063W	
R1164	ERJ2GEJ512X	RESISTOR	
R1165	ERJ2GEJ103	M 10K OHM, 0.063W	
R1166	EXB28V102J	RESISTOR ARRAY	
R1167	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1168	EXB28V470JX	RESISTOR ARRAY	
R1169	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1170	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1171	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1172	ERJ3EKF1002	M 10KOHM, 1/16W	
R1173	ERJ3EKF1003	RESISTOR	
R1174	ERJ3EKF3302	M 33KOHM, 1/16W	
R1175	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1176	EXB28V470JX	RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R1177	ERJ3EKF3302	M 33KOHM, 1/16W	
R1178	ERJ2GEJ220	M 22 OHM, 0.063W	
R1179	ERJ3EKF2402	RESISTOR	
R1180	ERJ2GEJ103	M 10K OHM, 0.063W	
R1181	EXB28V470JX	RESISTOR ARRAY	
R1182	ERJ2GEJ103	M 10K OHM, 0.063W	
R1183	EXB28V470JX	RESISTOR ARRAY	
R1184	EXB28V470JX	RESISTOR ARRAY	
R1185	EXB28V470JX	RESISTOR ARRAY	
R1186	EXB28V470JX	RESISTOR ARRAY	
R1187	EXB28V470JX	RESISTOR ARRAY	
R1188	EXB28V470JX	RESISTOR ARRAY	
R1189	EXB28V470JX	RESISTOR ARRAY	
R1190	ERJ2GEJ103	M 10K OHM, 0.063W	
R1191	EXB28V470JX	RESISTOR ARRAY	
R1192	ERJ2GEJ103	M 10K OHM, 0.063W	
R1193	EXB28V470JX	RESISTOR ARRAY	
R1194	ERJ2GEJ102	M 1K OHM, 0.063W	
R1195	ERJ2GEJ102	M 1K OHM, 0.063W	
R1196	EXB28V470JX	RESISTOR ARRAY	
R1197	EXB28V470JX	RESISTOR ARRAY	
R1198	EXB28V470JX	RESISTOR ARRAY	
R1199	EXB28V470JX	RESISTOR ARRAY	
R1200	ERJ3EKF1002	M 10KOHM, 1/16W	
R1201	EXB28V470JX	RESISTOR ARRAY	
R1202	ERJ3EKF1002	M 10KOHM, 1/16W	
R1203	ERJ2GEJ102	M 1K OHM, 0.063W	
R1204	ERJ2GEJ512X	RESISTOR	
R1205	EXB28V470JX	RESISTOR ARRAY	
R1206	EXB28V470JX	RESISTOR ARRAY	
R1207	EXB28V470JX	RESISTOR ARRAY	
R1208	ERJ3EKF1202	RESISTOR	
R1209	EXB28V470JX	RESISTOR ARRAY	
R1210	EXB28V470JX	RESISTOR ARRAY	
R1211	ERJ2GEJ512X	RESISTOR	
R1212	ERJ2GEJ220	M 22 OHM, 0.063W	
R1213	ERJ2GEJ220	M 22 OHM, 0.063W	
R1214	ERJ2GEJ470X	RESISTOR	
R1215	ERJ2GEJ470X	RESISTOR	
R1216	ERJ2GEJ512X	RESISTOR	
R1217	ERJ2GEJ222	RESISTOR	
R1218	ERJ2GEJ220	M 22 OHM, 0.063W	
R1219	ERJ2GEJ103	M 10K OHM, 0.063W	
R1220	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1221	ERJ2GEJ220	M 22 OHM, 0.063W	
R1223	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R1224	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R1225	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1226	ERJ2GEJ102	M 1K OHM, 0.063W	
R1227	ERJ2GEJ182	RESISTOR	
R1228	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1229	EXB28V470JX	RESISTOR ARRAY	
R1230	EXB28V104J	RESISTOR ARRAY	
R1231	EXB28V104J	RESISTOR ARRAY	
R1232	ERJ2GEJ560	M 56 OHM, 0.063W	
R1233	ERJ2GEJ220	M 22 OHM, 0.063W	
R1234	EXB28V102J	RESISTOR ARRAY	
R1235	EXB28V102J	RESISTOR ARRAY	
R1236	EXB28V102J	RESISTOR ARRAY	
R1237	ERJ2GEJ560	M 56 OHM, 0.063W	
R1238	EXB28V102J	RESISTOR ARRAY	
R1239	EXB28V102J	RESISTOR ARRAY	
R1240	ERJ2GEJ220	M 22 OHM, 0.063W	
R1241	EXB28V102J	RESISTOR ARRAY	
R1242	EXB28V102J	RESISTOR ARRAY	
R1243	EXB28V102J	RESISTOR ARRAY	
R1244	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1245	ERJ2GEJ102	M 1K OHM, 0.063W	
R1247	ERJ2GEJ102	M 1K OHM, 0.063W	
R1248	EXB28V102J	RESISTOR ARRAY	
R1249	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1250	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1251	ERJ3GEYJ220	M 22 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1252	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1253	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1254	EXB28V102J	RESISTOR ARRAY	
R1256	ERJ2GEJ512X	RESISTOR	
R1257	ERJ2GEJ512X	RESISTOR	
R1258	ERJ2GEJ220	M 22 OHM, 0.063W	
R1259	ERJ2GE0R00	RESISTOR	
R1260	ERJ2GE0R00	RESISTOR	
R1263	ERJ2GEJ102	M 1K OHM, 0.063W	
R1264	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R1265	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R1266	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R1267	ERJ2GEJ560	M 56 OHM, 0.063W	
R1268	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1269	ERJ2GEJ102	M 1K OHM, 0.063W	
R1270	ERJ2GEJ102	M 1K OHM, 0.063W	
R1271	EXB28V220J	RESISTOR ARRAY	
R1272	ERJ2GEJ102	M 1K OHM, 0.063W	
R1273	ERJ2GEJ102	M 1K OHM, 0.063W	
R1274	ERJ2GEJ102	M 1K OHM, 0.063W	
R1275	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1276	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1277	ERJ2GEJ102	M 1K OHM, 0.063W	
R1278	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1279	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1282	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1285	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1286	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1287	EXB28V560J	RESISTOR ARRAY	
R1288	EXB28V560J	RESISTOR ARRAY	
R1289	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1290	ERJ2GEJ220	M 22 OHM, 0.063W	
R1291	EXB28V560J	RESISTOR ARRAY	
R1292	ERJ2GEJ391	RESISTOR	
R1293	ERJ2GEJ391	RESISTOR	
R1294	ERJ2GEJ391	RESISTOR	
R1295	ERJ2GEJ391	RESISTOR	
R1300	ERJ2GEJ220	M 22 OHM, 0.063W	
R1301	ERJ3EKF1002	M 10KOHM, 1/16W	
R1302	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1303	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1304	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1305	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1306	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1307	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1308	ERJ2GEJ103	M 10K OHM, 0.063W	
R1309	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1310	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1311	ERJ2GEJ222	M 1K OHM, 0.063W	
R1312	ERJ2GEJ220	M 22 OHM, 0.063W	
R1313	EXB28V102J	RESISTOR ARRAY	
R1314	ERJ2GEJ512X	RESISTOR	
R1315	EXB28V220J	RESISTOR ARRAY	
R1318	ERJ3EKF1002	M 10KOHM, 1/16W	
R1319	ERJ3EKF1691	M1.69KOHM, 1/16W	
R1320	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1321	ERJ3GEYJ123V	RESISTOR	
R1322	ERJ3EKF5903	M 590KOHM, 1/16W	
R1323	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R1324	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1325	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1326	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R1327	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1331	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R1332	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R1333	EXB28V102J	RESISTOR ARRAY	
R1335	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1336	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1337	ERJ2GEJ222	RESISTOR	
R1338	ERJ2GEJ182	RESISTOR	
R1339	ERJ2GEJ512X	RESISTOR	
R1340	ERJ2GEJ512X	RESISTOR	
R1341	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1342	ERJ2GEJ102	M 1K OHM, 0.063W	
R1343	ERJ2GEJ102	M 1K OHM, 0.063W	
R1344	EXB28V102J	RESISTOR ARRAY	
R1345	ERJ2GEJ102	M 1K OHM, 0.063W	
R1346	ERJ2GEJ102	M 1K OHM, 0.063W	
R1347	EXB28V102J	RESISTOR ARRAY	
R1348	EXB28V102J	RESISTOR ARRAY	
R1349	EXB28V102J	RESISTOR ARRAY	
R1350	EXB28V102J	RESISTOR ARRAY	
R1351	ERJ2GEJ102	M 1K OHM, 0.063W	
R1352	EXB28V102J	RESISTOR ARRAY	
R1353	EXB28V102J	RESISTOR ARRAY	
R1354	ERJ2GEJ102	M 1K OHM, 0.063W	
R1355	ERJ2GEJ102	M 1K OHM, 0.063W	
R1356	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1357	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1358	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1359	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1360	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1361	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1362	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1363	ERJ2GEJ103	M 10K OHM, 0.063W	
R1364	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1365	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1366	ERJ2GEJ102	M 1K OHM, 0.063W	
R1367	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1368	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1369	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1370	EXB28V560J	RESISTOR ARRAY	
R1371	EXB28V560J	RESISTOR ARRAY	
R1372	EXB28V560J	RESISTOR ARRAY	
R1373	ERJ2GEJ103	M 10K OHM, 0.063W	
R1374	EXB28V560J	RESISTOR ARRAY	
R1375	EXB28V560J	RESISTOR ARRAY	
R1376	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1377	ERJ2GEJ102	M 1K OHM, 0.063W	
R1378	ERJ2GEJ102	M 1K OHM, 0.063W	
R1379	ERJ2GEJ102	M 1K OHM, 0.063W	
R1380	ERJ2GEJ102	M 1K OHM, 0.063W	
R1381	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1382	ERJ2GEJ102	M 1K OHM, 0.063W	
R1384	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1385	ERJ6GEYJ100	M 10 OHM,J,1/10W	
R1386	ERJ2GEJ220	M 22 OHM, 0.063W	
R1387	ERJ2GEJ470X	RESISTOR	
R1389	ERJ2GEJ470X	RESISTOR	
R1390	ERJ2GEJ220	M 22 OHM, 0.063W	
R1393	ERJ2GEJ220	M 22 OHM, 0.063W	
R1395	EXB28V102J	RESISTOR ARRAY	
R1397	EXB28V560J	RESISTOR ARRAY	
R1398	EXB28V560J	RESISTOR ARRAY	
R1399	ERJ6GEYJ560	M 56 OHM,J,1/10W	
R1400	EXB28V560J	RESISTOR ARRAY	
R1401	EXB28V102J	RESISTOR ARRAY	
R1402	ERJ2GEJ470X	RESISTOR	
R1403	EXB28V102J	RESISTOR ARRAY	
R1404	EXB28V102J	RESISTOR ARRAY	
R1405	EXB28V102J	RESISTOR ARRAY	
R1406	EXB28V102J	RESISTOR ARRAY	
R1407	EXB28V102J	RESISTOR ARRAY	
R1408	ERJ3EKF5101	RESISTOR	
R1409	EXB28V102J	RESISTOR ARRAY	
R1410	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1411	ERJ2GEJ102	M 1K OHM, 0.063W	
R1412	ERJ2GEJ102	M 1K OHM, 0.063W	
R1413	ERJ2GEJ102	M 1K OHM, 0.063W	
R1414	ERJ2GEJ102	M 1K OHM, 0.063W	
R1415	ERJ2GEJ102	M 1K OHM, 0.063W	
R1416	ERJ2GEJ333X	RESISTOR	
R1417	ERJ2GEJ102	M 1K OHM, 0.063W	
R1418	ERJ2GEJ102	M 1K OHM, 0.063W	
R1419	ERJ2GEJ103	M 10K OHM, 0.063W	
R1420	ERJ2GEJ102	M 1K OHM, 0.063W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1421	ERJ2GEOR00X	M 0 OHM, 0.063W	
R1422	EXB28V470JX	RESISTOR ARRAY	
R1423	EXB28V470JX	RESISTOR ARRAY	
R1424	ERJ2GEJ470X	RESISTOR	
R1425	ERJ2GEJ470X	RESISTOR	
R1426	ERJ2GEJ470X	RESISTOR	
R1427	ERJ2GEJ470X	RESISTOR	
R1428	ERJ2GEJ101X	M 100 OHM, 0.063W	
R1429	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1430	ERJ3EKF5101	RESISTOR	
R1431	ERJ2GEJ102	M 1K OHM, 0.063W	
R1432	ERJ3EKF5621	M5.62KOHM, 1/16W	
R1433	ERJ3EKF5621	M5.62KOHM, 1/16W	
R1434	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1435	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1436	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1437	ERJ3GEYJ124	M 120KOHM,J,1/16W	
R1438	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1439	ERJ3EKF3923	M 392KOHM, 1/16W	
R1440	ERJ3EKF3923	M 392KOHM, 1/16W	
R1441	ERJ3EKF1803	M 180KOHM, 0.063W	
R1442	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1443	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1444	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R1445	ERJ3GEYJ510	M 51 OHM,J,1/16W	
R1446	ERJ3GEYJ510	M 51 OHM,J,1/16W	
R1447	ERJ3GEYJ391V	M 390 OHM,J,1/16W	
R1448	ERJ3GEYJ561	M 560 OHM,J,1/16W	
R1451	ERJ2GEJ512X	RESISTOR	
R1452	ERJ2GEJ222	RESISTOR	
R1453	ERJ2GEJ182	RESISTOR	
R1454	ERJ2GEJ470X	RESISTOR	
R1455	ERJ2GEJ470X	RESISTOR	
R1456	ERJ2GEJ470X	RESISTOR	
R1457	ERJ2GEJ220	M 22 OHM, 0.063W	
R1458	ERJ2GEJ220	M 22 OHM, 0.063W	
R1459	ERJ2GEJ220	M 22 OHM, 0.063W	
R1460	ERJ2GEJ103	M 10K OHM, 0.063W	
R1461	ERJ3EKF1003	RESISTOR	
R1462	ERJ3GEYJ273	M 27KOHM,J,1/16W	
R1463	ERJ3EKF4753	RESISTOR	
R1464	ERJ3EKF1203	M 140KOHM, 0.063W	
R1465	ERJ3EKF2002	RESISTOR	
R1466	ERJ3EKF2002	RESISTOR	
R1467	ERJ3EKF1302	RESISTOR	
R1468	ERJ3EKF2002	RESISTOR	
R1469	ERJ3EKF2202	RESISTOR	
R1470	ERJ3EKF2002	RESISTOR	
R1471	ERJ3EKF2002	RESISTOR	
R1472	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1473	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R1474	ERJ2GEJ562	M 5.6KOHM, 0.063W	
R1475	ERJ2GEJ102	M 1K OHM, 0.063W	
R1476	EXB28V220J	RESISTOR ARRAY	
R1477	EXB28V220J	RESISTOR ARRAY	
R1478	EXB28V220J	RESISTOR ARRAY	
R1479	EXB28V220J	RESISTOR ARRAY	
R1480	EXB28V220J	RESISTOR ARRAY	
R1481	EXB28V220J	RESISTOR ARRAY	
R1482	EXB28V220J	RESISTOR ARRAY	
R1483	EXB28V220J	RESISTOR ARRAY	
R1484	EXB28V220J	RESISTOR ARRAY	
R1485	EXB28V220J	RESISTOR ARRAY	
R1486	EXB28V220J	RESISTOR ARRAY	
R1487	EXB28V220J	RESISTOR ARRAY	
R1488	EXB28V220J	RESISTOR ARRAY	
R1490	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1491	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1492	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1493	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1494	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1495	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1496	ERJ3GEYJ102	M 1K OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1497	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1498	EXB28V220J	RESISTOR ARRAY	
R1499	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1500	EXB28V220J	RESISTOR ARRAY	
R1501	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1502	EXB28V220J	RESISTOR ARRAY	
R1503	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1504	EXB28V220J	RESISTOR ARRAY	
R1505	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1506	EXB28V220J	RESISTOR ARRAY	
R1507	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1508	EXB28V220J	RESISTOR ARRAY	
R1509	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1510	EXB28V220J	RESISTOR ARRAY	
R1511	EXB28V220J	RESISTOR ARRAY	
R1512	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1513	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1514	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1515	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1516	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1517	EXB28V560J	RESISTOR ARRAY	
R1518	EXB28V560J	RESISTOR ARRAY	
R1519	EXB28V560J	RESISTOR ARRAY	
R1520	EXB28V560J	RESISTOR ARRAY	
R1521	EXB28V560J	RESISTOR ARRAY	
R1522	EXB28V560J	RESISTOR ARRAY	
R1523	EXB28V560J	RESISTOR ARRAY	
R1524	EXB28V560J	RESISTOR ARRAY	
R1525	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1526	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1527	EXB28V220J	RESISTOR ARRAY	
R1528	EXB28V220J	RESISTOR ARRAY	
R1529	EXB28V220J	RESISTOR ARRAY	
R1530	EXB28V220J	RESISTOR ARRAY	
R1531	EXB28V220J	RESISTOR ARRAY	
R1532	EXB28V220J	RESISTOR ARRAY	
R1533	EXB28V220J	RESISTOR ARRAY	
R1534	EXB28V220J	RESISTOR ARRAY	
R1535	EXB28V220J	RESISTOR ARRAY	
R1536	EXB28V220J	RESISTOR ARRAY	
R1537	EXB38V470JV	RESISTOR ARRAY	
R1538	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1539	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1540	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1541	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1542	EXB28V560J	RESISTOR ARRAY	
R1543	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1544	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1545	EXB38V470JV	RESISTOR ARRAY	
R1546	EXB38V470JV	RESISTOR ARRAY	
R1547	EXB38V470JV	RESISTOR ARRAY	
R1548	EXB38V470JV	RESISTOR ARRAY	
R1549	EXB38V470JV	RESISTOR ARRAY	
R1550	EXB38V470JV	RESISTOR ARRAY	
R1551	EXB38V470JV	RESISTOR ARRAY	
R1552	EXB38V470JV	RESISTOR ARRAY	
R1553	EXB38V470JV	RESISTOR ARRAY	
R1554	EXB38V470JV	RESISTOR ARRAY	
R1555	EXB38V470JV	RESISTOR ARRAY	
R1556	EXB38V470JV	RESISTOR ARRAY	
R1557	EXB38V470JV	RESISTOR ARRAY	
R1558	EXB38V470JV	RESISTOR ARRAY	
R1559	EXB38V470JV	RESISTOR ARRAY	
R1560	EXB38V470JV	RESISTOR ARRAY	
R1561	EXB38V470JV	RESISTOR ARRAY	
R1562	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1563	EXB38V470JV	RESISTOR ARRAY	
R1565	EXB38V470JV	RESISTOR ARRAY	
R1567	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1569	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1570	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1571	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1572	ERJ3GEYJ470	M 47 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1573	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1574	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1575	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1576	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1577	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1578	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1579	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1580	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1581	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1582	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1583	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1584	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1585	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1586	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1587	EXB28V560J	RESISTOR ARRAY	
R1588	EXB28V560J	RESISTOR ARRAY	
R1589	EXB28V560J	RESISTOR ARRAY	
R1590	EXB28V560J	RESISTOR ARRAY	
R1591	EXB28V560J	RESISTOR ARRAY	
R1592	EXB28V560J	RESISTOR ARRAY	
R1593	EXB28V560J	RESISTOR ARRAY	
R1594	EXB28V560J	RESISTOR ARRAY	
R1595	EXB28V560J	RESISTOR ARRAY	
R1606	ERJ2GEJ223X	RESISTOR	
R1607	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1617	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1625	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1626	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1627	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1632	ERJ2GEJ223X	RESISTOR	
R1633	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1634	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R1645	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R1647	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1648	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1650	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1651	ERJ2GE0R00X	M 0 OHM, 0.063W	
R1653	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1654	EXB28V560J	RESISTOR ARRAY	
R1655	EXB28V560J	RESISTOR ARRAY	
R1657	EXB28V560J	RESISTOR ARRAY	
R1658	EXB28V560J	RESISTOR ARRAY	
R1659	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1660	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1661	EXB28V560J	RESISTOR ARRAY	
R1662	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1663	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1664	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1665	EXB28V560J	RESISTOR ARRAY	
R1666	ERJ2GEJ103	M 10K OHM, 0.063W	
R1667	ERJ2GEJ103	M 10K OHM, 0.063W	
R1669	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1683	ERJ2GEJ223X	RESISTOR	
R1684	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R1685	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1686	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1688	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R1690	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R1691	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1692	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1693	ERJ2GEJ472	M 4.7KOHM, 0.063W	
R1694	ERJ2GEJ220	M 22 OHM, 0.063W	
R1695	ERJ2GEJ220	M 22 OHM, 0.063W	
R1696	ERJ2GEJ220	M 22 OHM, 0.063W	
R1697	ERJ2GEJ220	M 22 OHM, 0.063W	
R1698	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1699	ERJ2GEJ103	M 10K OHM, 0.063W	
R1700	ERJ2GEJ103	M 10K OHM, 0.063W	
R1702	ERJ2GEJ220	M 22 OHM, 0.063W	
R1703	ERJ2GEJ220	M 22 OHM, 0.063W	
R1704	ERJ2GEJ220	M 22 OHM, 0.063W	
R1705	ERJ2GEJ220	M 22 OHM, 0.063W	
R2001	ERJ3EKF5601V	RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R2002	ERJ3EKF1871V	RESISTOR	
R2003	ERJ3EKF3741	RESISTOR	
R2004	ERJ3EKF1132	RESISTOR	
R2005	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2006	ERJ3EKF5601V	RESISTOR	
R2007	ERJ3EKF1871V	RESISTOR	
R2008	ERJ3EKF3741	RESISTOR	
R2009	ERJ3EKF1132	RESISTOR	
R2010	ERJ3EKF5601V	RESISTOR	
R2011	ERJ3EKF1871V	RESISTOR	
R2012	ERJ3EKF3741	RESISTOR	
R2013	ERJ3EKF1132	RESISTOR	
R2029	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2030	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R2031	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2032	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2033	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2034	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2035	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2036	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2037	ERJ3GEYJ151	M 150 OHM, J, 1/16W	
R2038	ERJ3GEYJ182V	M 1.8KOHM, J, 1/16W	
R2201	EXB38V220J	RESISTOR ARRAY	
R3401	ERJ6ENF75R0	M 75 OHM, 1/10W	PT-AE1000U
R3401	ERJ6GEYJ750	RESISTOR	PT-AE1000E
R3402	ERJ6ENF75R0	M 75 OHM, 1/10W	PT-AE1000U
R3402	ERJ6GEYJ750	RESISTOR	PT-AE1000E
R3403	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3404	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3405	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3406	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	PT-AE1000U
R3406	ERJ3GEYJ153	RESISTOR	PT-AE1000E
R3407	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	PT-AE1000U
R3408	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	PT-AE1000U
R3409	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	PT-AE1000U
R3409	ERJ3GEYJ472	RESISTOR	PT-AE1000E
R3410	ERJ3GEYJ560	M 56 OHM, J, 1/16W	PT-AE1000U
R3410	ERJ3GEYJ562	RESISTOR	PT-AE1000E
R3411	ERJ3GEYJ560	M 56 OHM, J, 1/16W	PT-AE1000U
R3412	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R3413	ERJ3GEYJ221	M 220 OHM, J, 1/16W	PT-AE1000U
R3413	ERJ3GEYJ471	RESISTOR	PT-AE1000E
R3414	ERJ3GEYJ221	M 220 OHM, J, 1/16W	PT-AE1000U
R3414	ERJ3GEYJ101	RESISTOR	PT-AE1000E
R3415	ERJ3GEYJ221	M 220 OHM, J, 1/16W	PT-AE1000U
R3415	ERJ3GEYJ471	RESISTOR	PT-AE1000E
R3416	ERJ3GEYJ103	RESISTOR	PT-AE1000E
R3417	ERJ3GEYJ473	M 47K OHM, J, 1/16W	PT-AE1000U
R3417	ERJ3GEYJ471	RESISTOR	PT-AE1000E
R3418	ERJ6ENF75R0	RESISTOR	PT-AE1000E
R3419	ERJ6ENF75R0	RESISTOR	PT-AE1000E
R3420	ERJ3GEYJ472	RESISTOR	PT-AE1000E
R3421	ERJ3GEYJ562	RESISTOR	PT-AE1000E
R3422	ERJ3GEYJ562	RESISTOR	PT-AE1000E
R3423	ERJ3GEYJ562	RESISTOR	PT-AE1000E
R3424	ERJ3GEYJ560	RESISTOR	PT-AE1000E
R3425	ERJ3GEYJ560	RESISTOR	PT-AE1000E
R3426	ERJ3GEYJ471	RESISTOR	PT-AE1000E
R3427	ERJ3GEYJ560	RESISTOR	PT-AE1000E
R9101	D0AE625JA179	RESISTOR	△
R9601	ERX2SJR47E	M 0.47OHM, J, 2W	
R9630	ERJ14YJ3R3U	M 3.3 OHM, J, 1/4W	
R9631	ERJ8GEYJ220	M 68 OHM, J, 1/4W	
R9632	ERJ14YJ5R6U	M 5.6 OHM, J, 1/4W	
R9633	ERJ8GEYJ100	M 10 OHM, J, 1/4W	
R9634	ERJ8GEYJ120	RESISTOR	
R9636	ERJ14YJ3R3U	M 3.3 OHM, J, 1/4W	
R9637	ERJ8GEYJ220	M 68 OHM, J, 1/4W	
R9638	ERJ14YJ5R6U	M 5.6 OHM, J, 1/4W	
R9640	ERJ8GEYJ120	RESISTOR	
R9653	DOXGR22J0004	RESISTOR	
		[CAPACITORS]	

Ref. No.	Part No.	Part Name & Description	Remarks
C1000	F2G0J3300014	CAPACITOR	
C1001	F2G1A101A029	CAPACITOR	
C1002	ECJ0EB1C103K	C 0.01UF, 16V	
C1003	F2G0J3300014	CAPACITOR	
C1004	ECJ0EB1C103K	C 0.01UF, 16V	
C1005	F2G0J3300014	CAPACITOR	
C1006	ECJ0EF1C104Z	C 0.1UF, 16V	
C1007	ECJ0EB1C103K	C 0.01UF, 16V	
C1008	F2G0J3300014	CAPACITOR	
C1009	ECJ0EB1C103K	C 0.01UF, 16V	
C1010	ECJ0EB1C103K	C 0.01UF, 16V	
C1011	ECJ0EB1H102K	C 1000PF, 50V	
C1012	ECJ0EB1H102K	C 1000PF, 50V	
C1013	F2G0J3300014	CAPACITOR	
C1014	ECJ0EF1C104Z	C 0.1UF, 16V	
C1015	ECJ0EF1C104Z	C 0.1UF, 16V	
C1016	ECJ0EF1C104Z	C 0.1UF, 16V	
C1017	ECJ0EF1C104Z	C 0.1UF, 16V	
C1018	ECJ0EF1C104Z	C 0.1UF, 16V	
C1019	ECJ0EF1C104Z	C 0.1UF, 16V	
C1020	ECJ0EF1C104Z	C 0.1UF, 16V	
C1021	ECJ0EF1C104Z	C 0.1UF, 16V	
C1022	ECJ1VFA225Z	CAPACITOR	
C1023	ECJ1VFA225Z	CAPACITOR	
C1024	ECJ0EF1C104Z	C 0.1UF, 16V	
C1025	ECJ0EF1C104Z	C 0.1UF, 16V	
C1026	ECJ0EF1C104Z	C 0.1UF, 16V	
C1027	ECJ0EF1C104Z	C 0.1UF, 16V	
C1028	ECJ0EF1C104Z	C 0.1UF, 16V	
C1029	ECJ0EF1C104Z	C 0.1UF, 16V	
C1030	F2G0J4700010	CAPACITOR	
C1031	ECJ0EF1C104Z	C 0.1UF, 16V	
C1032	ECJ1VBL3C393K	CAPACITOR	
C1033	ECJ2FF1A106Z	C 10UF, 10V	
C1034	ECJ0EF1C104Z	C 0.1UF, 16V	
C1035	ECJ0EF1C104Z	C 0.1UF, 16V	
C1036	ECJ0EB1C103K	C 0.01UF, 16V	
C1037	ECJ0EB1C103K	C 0.01UF, 16V	
C1038	ECJ0EB1C103K	C 0.01UF, 16V	
C1039	ECJ0EF1C104Z	C 0.1UF, 16V	
C1040	ECJ0EF1C104Z	C 0.1UF, 16V	
C1041	ECJ0EF1C104Z	C 0.1UF, 16V	
C1042	ECJ0EF1C104Z	C 0.1UF, 16V	
C1043	ECJ0EF1C104Z	C 0.1UF, 16V	
C1044	ECJ1VB0J824K	CAPACITOR	
C1045	ECJ0EF1C104Z	C 0.1UF, 16V	
C1046	ECJ0EF1C104Z	C 0.1UF, 16V	
C1047	ECJ0EF1C104Z	C 0.1UF, 16V	
C1048	ECJ0EF1C104Z	C 0.1UF, 16V	
C1049	ECJ0EF1C104Z	C 0.1UF, 16V	
C1050	ECJ0EF1C104Z	C 0.1UF, 16V	
C1051	ECJ0EF1C104Z	C 0.1UF, 16V	
C1052	ECJ0EF1C104Z	C 0.1UF, 16V	
C1053	ECJ0EF1C104Z	C 0.1UF, 16V	
C1054	ECJ0EF1C104Z	C 0.1UF, 16V	
C1055	ECJ0EF1C104Z	C 0.1UF, 16V	
C1056	ECJ0EF1C104Z	C 0.1UF, 16V	
C1057	ECJ0EF1C104Z	C 0.1UF, 16V	
C1058	ECJ2FF1A106Z	C 10UF, 10V	
C1059	F1J1C4750003	CAPACITOR	
C1060	ECJ2FF1A106Z	C 10UF, 10V	
C1061	ECJ2FF1A106Z	C 10UF, 10V	
C1063	ECJ0EF1C104Z	C 0.1UF, 16V	
C1064	ECJ0EF1C104Z	C 0.1UF, 16V	
C1065	ECJ0EF1C104Z	C 0.1UF, 16V	
C1066	ECJ0EF1C104Z	C 0.1UF, 16V	
C1067	ECJ2FF1A106Z	C 10UF, 10V	
C1068	ECJ0EB1H102K	C 1000PF, 50V	
C1069	ECJ2FF1A106Z	C 10UF, 10V	
C1070	F1J0J226A014	C 10UF, 10V	
C1071	ECJ1VFA1A05Z	C 1UF, Z, 50V	
C1072	ECJ2FF1A106Z	C 10UF, 10V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1073	ECJ2FF1A106Z	C 10UF, 10V	
C1074	FLJ0J226A014	C 10UF, 10V	
C1075	ECJ2FF1A106Z	C 10UF, 10V	
C1076	ECJ2FF1A106Z	C 10UF, 10V	
C1077	ECJ2FF1A106Z	C 10UF, 10V	
C1078	ECJ2FF1A106Z	C 10UF, 10V	
C1079	ECJ0EF1C104Z	C 0.1UF, 16V	
C1080	ECJ0EF1C104Z	C 0.1UF, 16V	
C1081	ECJ0EF1C104Z	C 0.1UF, 16V	
C1082	ECJ0EF1C104Z	C 0.1UF, 16V	
C1083	ECJ0EF1C104Z	C 0.1UF, 16V	
C1084	ECJ0EF1C104Z	C 0.1UF, 16V	
C1086	ECJ1VB1C823K	C 0.82UF, 16V	
C1087	ECJ2FF1A106Z	C 10UF, 10V	
C1088	ECJ1VB1C823K	C 0.82UF, 16V	
C1089	ECJ0EB1C103K	C 0.01UF, 16V	
C1090	ECJ0EB1H102K	C 1000PF, 50V	
C1093	ECJ1VC1H221J	CAPACITOR	
C1095	ECJ1VF1A225Z	CAPACITOR	
C1096	ECJ1VF1A225Z	CAPACITOR	
C1097	ECJ1VF1A225Z	CAPACITOR	
C1098	F2G1C2200010	CAPACITOR	
C1099	ECJ0EB1C103K	C 0.01UF, 16V	
C1100	ECJ0EB1C822K	CAPACITOR	
C1101	ECJ0EF1C104Z	C 0.1UF, 16V	
C1102	ECJ1VF1A225Z	CAPACITOR	
C1103	ECJ0EF1C104Z	C 0.1UF, 16V	
C1104	ECJ1VF1A225Z	CAPACITOR	
C1105	ECJ1VF1A225Z	CAPACITOR	
C1106	ECJ0EF1C104Z	C 0.1UF, 16V	
C1107	ECJ0EF1C104Z	C 0.1UF, 16V	
C1108	ECJ2FF1A106Z	C 10UF, 10V	
C1109	ECJ0EF1C104Z	C 0.1UF, 16V	
C1110	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1111	ECJ0EF1C104Z	C 0.1UF, 16V	
C1113	F2G1C2200010	CAPACITOR	
C1114	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1115	ECJ1VF1A225Z	CAPACITOR	
C1116	EEHBOG101R	E 100UF, 4V	
C1117	ECJ1VF1A225Z	CAPACITOR	
C1118	ECJ1VC1H331J	CAPACITOR	
C1119	ECJ0EB1H102K	C 1000PF, 50V	
C1120	ECJ0EB1H102K	C 1000PF, 50V	
C1121	ECJ2FF1A106Z	C 10UF, 10V	
C1122	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1123	ECJ0EF1C104Z	C 0.1UF, 16V	
C1124	ECJ1VF1A225Z	CAPACITOR	
C1125	ECJ1VF1A225Z	CAPACITOR	
C1126	ECJ1VF1A225Z	CAPACITOR	
C1127	ECJ0EF1C104Z	C 0.1UF, 16V	
C1128	ECJ1VF1A225Z	CAPACITOR	
C1129	F2G1C2200010	CAPACITOR	
C1130	ECJ1VF1A225Z	CAPACITOR	
C1131	F2G1C2200010	CAPACITOR	
C1132	ECJ1VF1A225Z	CAPACITOR	
C1133	ECJ0EF1C104Z	C 0.1UF, 16V	
C1134	ECJ1VF1A225Z	CAPACITOR	
C1135	ECJ1VF1A225Z	CAPACITOR	
C1136	ECJ0EF1C104Z	C 0.1UF, 16V	
C1137	ECJ1VF1A225Z	CAPACITOR	
C1138	ECJ0EB0J474K	CAPACITOR	
C1139	ECJ2FF1A106Z	C 10UF, 10V	
C1140	ECJ1VF1E105Z	CAPACITOR	
C1141	ECJ1VF1A225Z	CAPACITOR	
C1142	ECJ0EF1C104Z	C 0.1UF, 16V	
C1143	ECJ1VF1A225Z	CAPACITOR	
C1144	ECJ1VC1H100C	C 10PF, 50V	
C1145	ECJ1VF1A225Z	CAPACITOR	
C1146	ECJ1VC1H100C	C 10PF, 50V	
C1147	ECJ1VF1A225Z	CAPACITOR	
C1148	EEHBOG101R	E 100UF, 4V	
C1149	ECJ1VF1A225Z	CAPACITOR	
C1150	ECJ0EF1C104Z	C 0.1UF, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1151	ECJ1VF1A225Z	CAPACITOR	
C1152	ECJ0EF1C104Z	C 0.1UF, 16V	
C1153	ECJ0EF1C104Z	C 0.1UF, 16V	
C1155	ECJ0EB1H102K	C 1000PF, 50V	
C1156	EEHBOG101R	E 100UF, 4V	
C1157	ECJ0EF1C104Z	C 0.1UF, 16V	
C1158	ECJ0EB1H102K	C 1000PF, 50V	
C1159	ECJ0EB1H102K	C 1000PF, 50V	
C1160	ECJ1VF1A225Z	CAPACITOR	
C1161	ECJ1VF1A225Z	CAPACITOR	
C1162	ECJ0EB0J474K	CAPACITOR	
C1163	ECJ0EB0J474K	CAPACITOR	
C1164	ECJ0EB0J474K	CAPACITOR	
C1165	ECJ1VF1A225Z	CAPACITOR	
C1166	ECJ1VF1A225Z	CAPACITOR	
C1169	ECJ0EF1C104Z	C 0.1UF, 16V	
C1170	ECJ1VF1A225Z	CAPACITOR	
C1172	ECJ1VF1A225Z	CAPACITOR	
C1173	ECJ1VF1A225Z	CAPACITOR	
C1174	ECJ1VF1A225Z	CAPACITOR	
C1175	ECJ1VF1A225Z	CAPACITOR	
C1176	ECJ1VF1A225Z	CAPACITOR	
C1177	ECJ1VF1A225Z	CAPACITOR	
C1178	ECJ1VF1A225Z	CAPACITOR	
C1179	ECJ1VF1A225Z	CAPACITOR	
C1180	ECJ0EF1C104Z	C 0.1UF, 16V	
C1181	ECJ0EB1H102K	C 1000PF, 50V	
C1182	ECJ1VF1A225Z	CAPACITOR	
C1183	ECJ0EF1C104Z	C 0.1UF, 16V	
C1184	ECJ0EB1H102K	C 1000PF, 50V	
C1185	ECJ1VF1A225Z	CAPACITOR	
C1186	ECJ0EF1C104Z	C 0.1UF, 16V	
C1187	ECJ0EB1H102K	C 1000PF, 50V	
C1188	ECJ1VF1A225Z	CAPACITOR	
C1189	ECJ0EF1C104Z	C 0.1UF, 16V	
C1190	ECJ0EF1C104Z	C 0.1UF, 16V	
C1191	ECJ0EB1H102K	C 1000PF, 50V	
C1192	ECJ1VF1A225Z	CAPACITOR	
C1193	ECJ1VF1A225Z	CAPACITOR	
C1194	ECJ1VF1A225Z	CAPACITOR	
C1195	ECJ1VF1A225Z	CAPACITOR	
C1196	ECJ1VF1A225Z	CAPACITOR	
C1197	ECJ1VF1A225Z	CAPACITOR	
C1198	ECJ0EF1C104Z	C 0.1UF, 16V	
C1199	ECJ1VF1A225Z	CAPACITOR	
C1200	ECJ1VF1A225Z	CAPACITOR	
C1201	ECJ1VF1A225Z	CAPACITOR	
C1202	ECJ1VF1A225Z	CAPACITOR	
C1203	ECJ1VF1A225Z	CAPACITOR	
C1204	EEHBOG101R	E 100UF, 4V	
C1205	ECJ0EF1C104Z	C 0.1UF, 16V	
C1206	ECJ0EB1H102K	C 1000PF, 50V	
C1207	ECJ1VF1A225Z	CAPACITOR	
C1208	ECJ0EF1C104Z	C 0.1UF, 16V	
C1209	ECJ1VF1E105Z	CAPACITOR	
C1210	ECJ1VF1A225Z	CAPACITOR	
C1211	ECJ2FF1A106Z	C 10UF, 10V	
C1212	F2G0J4700010	CAPACITOR	
C1213	ECJ0EF1C104Z	C 0.1UF, 16V	
C1214	ECJ0EF1C104Z	C 0.1UF, 16V	
C1215	ECJ0EF1C104Z	C 0.1UF, 16V	
C1216	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C1217	ECJ0EF1C104Z	C 0.1UF, 16V	
C1218	ECJ0EF1C104Z	C 0.1UF, 16V	
C1219	ECJ2FF1A106Z	C 10UF, 10V	
C1220	ECJ0EF1C104Z	C 0.1UF, 16V	
C1221	ECJ0EF1C104Z	C 0.1UF, 16V	
C1222	ECJ0EF1C104Z	C 0.1UF, 16V	
C1223	ECJ0EF1C104Z	C 0.1UF, 16V	
C1224	ECJ0EF1C104Z	C 0.1UF, 16V	
C1225	ECJ0EF1C104Z	C 0.1UF, 16V	
C1226	ECJ0EF1C104Z	C 0.1UF, 16V	
C1227	ECJ0EF1C104Z	C 0.1UF, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1228	ECJ0EF1C104Z	C 0.1UF, 16V	
C1229	ECJ0EF1C104Z	C 0.1UF, 16V	
C1230	ECJ2FF1A106Z	C 10UF, 10V	
C1231	ECJ0EF1C104Z	C 0.1UF, 16V	
C1232	ECJ0EF1C104Z	C 0.1UF, 16V	
C1233	ECJ0EF1C104Z	C 0.1UF, 16V	
C1234	ECJ0EF1C104Z	C 0.1UF, 16V	
C1235	ECJ0EF1C104Z	C 0.1UF, 16V	
C1236	ECJ0EF1C104Z	C 0.1UF, 16V	
C1237	ECJ0EF1C104Z	C 0.1UF, 16V	
C1238	ECJ0EF1C104Z	C 0.1UF, 16V	
C1239	ECJ0EF1C104Z	C 0.1UF, 16V	
C1240	ECJ0EF1C104Z	C 0.1UF, 16V	
C1241	ECJ0EF1C104Z	C 0.1UF, 16V	
C1242	ECJ0EF1C104Z	C 0.1UF, 16V	
C1243	ECJ0EF1C104Z	C 0.1UF, 16V	
C1244	ECJ0EF1C104Z	C 0.1UF, 16V	
C1245	ECJ0EF1C104Z	C 0.1UF, 16V	
C1246	ECJ0EF1C104Z	C 0.1UF, 16V	
C1247	ECJ0EF1C104Z	C 0.1UF, 16V	
C1248	ECJ0EF1C104Z	C 0.1UF, 16V	
C1249	ECJ0EF1C104Z	C 0.1UF, 16V	
C1250	ECJ0EF1C104Z	C 0.1UF, 16V	
C1251	ECJ0EF1C104Z	C 0.1UF, 16V	
C1252	ECJ0EF1C104Z	C 0.1UF, 16V	
C1253	ECJ0EF1C104Z	C 0.1UF, 16V	
C1254	ECJ0EF1C104Z	C 0.1UF, 16V	
C1255	ECJ0EF1C104Z	C 0.1UF, 16V	
C1256	ECJ0EF1C104Z	C 0.1UF, 16V	
C1257	ECJ0EF1C104Z	C 0.1UF, 16V	
C1258	ECJ0EF1C104Z	C 0.1UF, 16V	
C1259	ECJ0EF1C104Z	C 0.1UF, 16V	
C1260	ECJ0EF1C104Z	C 0.1UF, 16V	
C1261	ECJ0EB1H102K	C 1000PF, 50V	
C1263	ECJ1VF1A225Z	CAPACITOR	
C1264	ECJ0EF1C104Z	C 0.1UF, 16V	
C1265	F2G1C2200010	CAPACITOR	
C1266	F2G1E4R70007	CAPACITOR	
C1267	F2G1A3300007	CAPACITOR	
C1269	ECJ0EB0J474K	CAPACITOR	
C1268	ECJ0EB1H102K	C 1000PF, 50V	
C1270	ECJ0EF1C104Z	C 0.1UF, 16V	
C1271	ECJ0EF1C104Z	C 0.1UF, 16V	
C1272	ECJ0EF1C104Z	C 0.1UF, 16V	
C1273	ECJ0EF1C104Z	C 0.1UF, 16V	
C1274	ECJ0EF1C104Z	C 0.1UF, 16V	
C1275	ECJ0EF1C104Z	C 0.1UF, 16V	
C1276	ECJ0EF1C104Z	C 0.1UF, 16V	
C1277	ECJ0EF1C104Z	C 0.1UF, 16V	
C1278	ECJ0EF1C104Z	C 0.1UF, 16V	
C1279	ECJ0EF1C104Z	C 0.1UF, 16V	
C1280	ECJ0EF1C104Z	C 0.1UF, 16V	
C1281	ECJ0EF1C104Z	C 0.1UF, 16V	
C1282	ECJ0EF1C104Z	C 0.1UF, 16V	
C1283	ECJ0EF1C104Z	C 0.1UF, 16V	
C1284	ECJ0EF1C104Z	C 0.1UF, 16V	
C1285	F2G1E3300010	CAPACITOR	
C1286	ECJ1VF1E105Z	CAPACITOR	
C1287	ECJ1VB1H152K	CAPACITOR	
C1288	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1289	ECJ0EF1C104Z	C 0.1UF, 16V	
C1291	ECJ1VCLH221J	CAPACITOR	
C1292	F2G0J4700010	CAPACITOR	
C1293	ECJ1VF1C474Z	CAPACITOR	
C1294	ECJ1VF1C474Z	CAPACITOR	
C1295	ECJ1VF1E105Z	CAPACITOR	
C1296	ECJ1VF1E105Z	CAPACITOR	
C1297	ECJ1VF1E105Z	CAPACITOR	
C1298	ECJ1VF1E105Z	CAPACITOR	
C1299	ECJ1VF1E105Z	CAPACITOR	
C1300	ECJ1VF1E105Z	CAPACITOR	
C1301	ECJ1VB1H472K	C 4700PF, K, 50V	
C1302	ECJ2VB1C224K	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C1303	ECJ2VB1C224K	CAPACITOR	
C1304	ECJ1VB1H821K	CAPACITOR	
C1305	ECJ1VB1H332K	CAPACITOR	
C1306	ECJ1VF1A225Z	CAPACITOR	
C1307	ECJ0EB1H102K	C 1000PF, 50V	
C1308	ECJ0EF1C104Z	C 0.1UF, 16V	
C1309	F2G0J4700010	CAPACITOR	
C1310	ECJ2FF1A106Z	C 10UF, 10V	
C1311	ECJ0EF1C104Z	C 0.1UF, 16V	
C1312	ECJ1VF1A225Z	CAPACITOR	
C1313	ECJ0EF1C104Z	C 0.1UF, 16V	
C1314	ECJ1VF1A225Z	CAPACITOR	
C1315	ECJ0EF1C104Z	C 0.1UF, 16V	
C1316	ECJ1VF1A225Z	CAPACITOR	
C1317	ECJ0EF1C104Z	C 0.1UF, 16V	
C1318	ECJ2FF1A106Z	C 10UF, 10V	
C1319	ECJ1VF1A225Z	CAPACITOR	
C1320	ECJ1VF1A225Z	CAPACITOR	
C1321	ECJ1VF1A225Z	CAPACITOR	
C1322	ECJ1VF1A225Z	CAPACITOR	
C1323	ECJ1VF1A225Z	CAPACITOR	
C1324	ECJ1VF1A225Z	CAPACITOR	
C1325	ECJ2FF1A106Z	C 10UF, 10V	
C1326	ECJ0EF1C104Z	C 0.1UF, 16V	
C1327	ECJ0EB1H471K	CAPACITOR	
C1328	ECJ0EF1C104Z	C 0.1UF, 16V	
C1329	ECJ0EF1C104Z	C 0.1UF, 16V	
C1330	ECJ0EB1H102K	C 1000PF, 50V	
C1332	ECJ0EB1H471K	CAPACITOR	
C1333	ECJ0EF1C104Z	C 0.1UF, 16V	
C1334	ECJ0EF1C104Z	C 0.1UF, 16V	
C1335	F2G1E4R70007	CAPACITOR	
C1336	ECJ0EB1H471K	CAPACITOR	
C1337	EEFCD0K330R	CAPACITOR	
C1338	F2G1A3300007	CAPACITOR	
C1339	EEHHA1C330WR	CAPACITOR	
C1340	EEHBB0G101R	E 100UF, 4V	
C1341	EEHBB0G101R	E 100UF, 4V	
C1342	EEHHA1C330WR	CAPACITOR	
C1343	ECJ0EF1C104Z	C 0.1UF, 16V	
C1344	ECJ2FF1A106Z	C 10UF, 10V	
C1345	ECJ0EF1C104Z	C 0.1UF, 16V	
C1346	ECJ1VF1A225Z	CAPACITOR	
C1347	ECJ0EF1C104Z	C 0.1UF, 16V	
C1348	ECJ1VF1A225Z	CAPACITOR	
C1349	ECJ0EF1C104Z	C 0.1UF, 16V	
C1351	ECJ1VF1A225Z	CAPACITOR	
C1352	ECJ1VF1A225Z	CAPACITOR	
C1353	ECJ0EF1C104Z	C 0.1UF, 16V	
C1355	ECJ0EF1C104Z	C 0.1UF, 16V	
C1356	ECJ2FF1C475Z	CAPACITOR	
C1357	ECJ0EF1C104Z	C 0.1UF, 16V	
C1358	ECJ0EF1C104Z	C 0.1UF, 16V	
C1359	ECJ0EF1C104Z	C 0.1UF, 16V	
C1360	ECJ0EF1C104Z	C 0.1UF, 16V	
C1361	ECJ0EF1C104Z	C 0.1UF, 16V	
C1362	EEFCD0D101R	CAPACITOR	
C1363	ECJ0EF1C104Z	C 0.1UF, 16V	
C1364	ECJ0EF1C104Z	C 0.1UF, 16V	
C1365	ECJ0EF1C104Z	C 0.1UF, 16V	
C1366	ECJ0EF1C104Z	C 0.1UF, 16V	
C1367	ECJ1VF1H333Z	C 0.033UF, 50V	
C1368	ECJ0EF1C104Z	C 0.1UF, 16V	
C1369	ECJ0EF1C104Z	C 0.1UF, 16V	
C1370	ECJ0EF1C104Z	C 0.1UF, 16V	
C1371	ECJ0EF1C104Z	C 0.1UF, 16V	
C1372	ECJ0EF1C104Z	C 0.1UF, 16V	
C1373	ECJ0EF1C104Z	C 0.1UF, 16V	
C1374	ECJ0EB1H102K	C 1000PF, 50V	
C1375	ECJ0EF1C104Z	C 0.1UF, 16V	
C1376	ECJ0EF1C104Z	C 0.1UF, 16V	
C1377	ECJ0EF1C104Z	C 0.1UF, 16V	
C1378	ECJ0EF1C104Z	C 0.1UF, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1379	ECJ0EF1C104Z	C 0.1UF, 16V	
C1380	ECJ0EF1C104Z	C 0.1UF, 16V	
C1381	ECJ0EF1C104Z	C 0.1UF, 16V	
C1382	ECJ0EF1C104Z	C 0.1UF, 16V	
C1383	ECJ0EF1C104Z	C 0.1UF, 16V	
C1384	ECJ0EF1C104Z	C 0.1UF, 16V	
C1385	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C1387	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1388	ECJ0EF1C104Z	C 0.1UF, 16V	
C1389	ECJ0EF1C104Z	C 0.1UF, 16V	
C1390	ECJ0EF1C104Z	C 0.1UF, 16V	
C1391	ECJ0EF1C104Z	C 0.1UF, 16V	
C1392	ECJ0EF1C104Z	C 0.1UF, 16V	
C1393	ECJ0EF1C104Z	C 0.1UF, 16V	
C1394	ECJ0EF1C104Z	C 0.1UF, 16V	
C1395	ECJ0EF1C104Z	C 0.1UF, 16V	
C1396	ECJ0EF1C104Z	C 0.1UF, 16V	
C1397	ECJ0EF1C104Z	C 0.1UF, 16V	
C1398	ECJ0EF1C104Z	C 0.1UF, 16V	
C1399	ECJ0EF1C104Z	C 0.1UF, 16V	
C1400	ECJ0EF1C104Z	C 0.1UF, 16V	
C1401	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1402	ECJ0EB1H102K	C 1000PF, 50V	
C1403	EEH80G101R	E 100UF, 4V	
C1404	ECJ0EF1C104Z	C 0.1UF, 16V	
C1405	ECJ0EF1C104Z	C 0.1UF, 16V	
C1406	F2G1A3300007	CAPACITOR	
C1407	F2G1A3300007	CAPACITOR	
C1408	ECJ0EB1H102K	C 1000PF, 50V	
C1409	ECJ0EB1H102K	C 1000PF, 50V	
C1410	ECJ0EF1C104Z	C 0.1UF, 16V	
C1411	ECJ0EF1C104Z	C 0.1UF, 16V	
C1412	ECJ0EF1C104Z	C 0.1UF, 16V	
C1413	ECJ0EF1C104Z	C 0.1UF, 16V	
C1414	ECJ0EF1C104Z	C 0.1UF, 16V	
C1415	ECJ0EF1C104Z	C 0.1UF, 16V	
C1416	ECJ1VF1H473Z	CAPACITOR	
C1417	ECJ1VF1H473Z	CAPACITOR	
C1418	ECJ1VF1A225Z	CAPACITOR	
C1419	F2G1A3300007	CAPACITOR	
C1420	F2G1A3300007	CAPACITOR	
C1421	ECJ0EF1C104Z	C 0.1UF, 16V	
C1422	ECJ0EF1C104Z	C 0.1UF, 16V	
C1423	ECJ0EF1C104Z	C 0.1UF, 16V	
C1424	ECJ0EB1H102K	C 1000PF, 50V	
C1425	ECJ1VF1A225Z	CAPACITOR	
C1426	ECJ1VF1A225Z	CAPACITOR	
C1427	ECJ0EB1H102K	C 1000PF, 50V	
C1428	ECJ0EB1H102K	C 1000PF, 50V	
C1429	ECJ1VB1H332K	CAPACITOR	
C1430	ECJ1VC1H221J	CAPACITOR	
C1431	ECJ1VB1H332K	CAPACITOR	
C1432	ECJ1VF1A225Z	CAPACITOR	
C1433	ECJ0EB1H102K	C 1000PF, 50V	
C1434	ECJ0EB1H102K	C 1000PF, 50V	
C1435	ECJ1VF1A225Z	CAPACITOR	
C1436	ECJ1VF1A225Z	CAPACITOR	
C1437	ECJ1VF1A225Z	CAPACITOR	
C1438	ECJ0EB1H102K	C 1000PF, 50V	
C1439	ECJ0EF1C104Z	C 0.1UF, 16V	
C1440	ECJ0EF1C104Z	C 0.1UF, 16V	
C1441	ECJ0EF1C104Z	C 0.1UF, 16V	
C1442	ECJ0EF1C104Z	C 0.1UF, 16V	
C1443	ECJ0EF1C104Z	C 0.1UF, 16V	
C1444	ECJ0EF1C104Z	C 0.1UF, 16V	
C1445	ECJ0EF1C104Z	C 0.1UF, 16V	
C1446	ECJ0EF1C104Z	C 0.1UF, 16V	
C1447	ECJ0EF1C104Z	C 0.1UF, 16V	
C1448	ECJ0EF1C104Z	C 0.1UF, 16V	
C1449	ECJ0EF1C104Z	C 0.1UF, 16V	
C1450	ECJ0EF1C104Z	C 0.1UF, 16V	
C1451	ECJ0EF1C104Z	C 0.1UF, 16V	
C1452	ECJ0EF1C104Z	C 0.1UF, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1453	ECJ0EF1C104Z	C 0.1UF, 16V	
C1454	ECJ0EF1C104Z	C 0.1UF, 16V	
C1455	ECJ0EF1C104Z	C 0.1UF, 16V	
C1456	F2G0J4700010	CAPACITOR	
C1457	ECJ0EF1C104Z	C 0.1UF, 16V	
C1458	F2G0J4700010	CAPACITOR	
C1459	ECJ0EF1C104Z	C 0.1UF, 16V	
C1460	ECJ0EF1C104Z	C 0.1UF, 16V	
C1461	ECJ0EF1C104Z	C 0.1UF, 16V	
C1462	ECJ0EF1C104Z	C 0.1UF, 16V	
C1463	ECJ0EF1C104Z	C 0.1UF, 16V	
C1464	ECJ0EF1C104Z	C 0.1UF, 16V	
C1465	ECJ0EF1C104Z	C 0.1UF, 16V	
C1466	ECJ0EB0J474K	CAPACITOR	
C1467	ECJ0EF1C104Z	C 0.1UF, 16V	
C1468	ECJ0EF1C104Z	C 0.1UF, 16V	
C1469	ECJ0EF1C104Z	C 0.1UF, 16V	
C1470	ECJ0EF1C104Z	C 0.1UF, 16V	
C1471	ECJ0EF1C104Z	C 0.1UF, 16V	
C1472	ECJ0EF1C104Z	C 0.1UF, 16V	
C1473	ECJ0EF1C104Z	C 0.1UF, 16V	
C1474	ECJ0EF1C104Z	C 0.1UF, 16V	
C1475	ECJ0EF1C104Z	C 0.1UF, 16V	
C1476	ECJ0EF1C104Z	C 0.1UF, 16V	
C1477	ECJ0EF1C104Z	C 0.1UF, 16V	
C1478	ECJ0EF1C104Z	C 0.1UF, 16V	
C1479	ECJ0EF0J105Z	CAPACITOR	
C1480	ECJ0EF0J105Z	CAPACITOR	
C1481	ECJ0EF0J105Z	CAPACITOR	
C1482	ECJ0EF1C104Z	C 0.1UF, 16V	
C1483	ECJ0EF1C104Z	C 0.1UF, 16V	
C1484	ECJ0EF1C104Z	C 0.1UF, 16V	
C1485	ECJ0EF1C104Z	C 0.1UF, 16V	
C1486	ECJ0EF1C104Z	C 0.1UF, 16V	
C1487	ECJ0EF1C104Z	C 0.1UF, 16V	
C1489	ECJ0EF1C104Z	C 0.1UF, 16V	
C1490	ECJ0EF0J105Z	CAPACITOR	
C1491	ECJ0EF0J105Z	CAPACITOR	
C1492	ECJ0EF0J105Z	CAPACITOR	
C1497	ECJ2FF1A106Z	C 10UF, 10V	
C1502	ECJ0EF1C104Z	C 0.1UF, 16V	
C1503	ECJ0EB1H102K	C 1000PF, 50V	
C1504	ECJ0EF1C104Z	C 0.1UF, 16V	
C1505	ECJ0EB1H102K	C 1000PF, 50V	
C1507	ECJ1VF1A225Z	CAPACITOR	
C1509	EEFCD0J470R	CAPACITOR	
C1510	ECJ1VC1H101J	C 100PF, J, 50V	
C1511	ECJ0EF1C104Z	C 0.1UF, 16V	
C1512	ECJ0EF1C104Z	C 0.1UF, 16V	
C1514	ECJ0EF1C104Z	C 0.1UF, 16V	
C1515	ECJ1VF1A225Z	CAPACITOR	
C1516	ECJ1VF1A225Z	CAPACITOR	
C1517	ECJ0EF1C104Z	C 0.1UF, 16V	
C1518	ECJ0EF1C104Z	C 0.1UF, 16V	
C1519	ECJ1VF1A225Z	CAPACITOR	
C1520	ECJ0EF1C104Z	C 0.1UF, 16V	
C1523	ECJ0EB1H102K	C 1000PF, 50V	
C1524	ECJ0EB1H102K	C 1000PF, 50V	
C1525	F2G0J3300014	CAPACITOR	
C1526	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1527	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1528	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1529	F2G1C1000013	CAPACITOR	
C1530	F2G0J3300014	CAPACITOR	
C1531	ECJ0EF1C104Z	C 0.1UF, 16V	
C1532	ECJ0EF1C104Z	C 0.1UF, 16V	
C1533	ECJ0EF1C104Z	C 0.1UF, 16V	
C1534	ECJ0EF1C104Z	C 0.1UF, 16V	
C1535	ECJ0EB1H102K	C 1000PF, 50V	
C1536	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1537	ECJ0EF1C104Z	C 0.1UF, 16V	
C1538	ECJ0EB1H102K	C 1000PF, 50V	
C1539	ECJ1VF1A225Z	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C1540	ECJ0EF1C104Z	C 0.1UF, 16V	
C1541	ECJ0EF1C104Z	C 0.1UF, 16V	
C1542	ECJ0EF1C104Z	C 0.1UF, 16V	
C1543	ECJ0EF1C104Z	C 0.1UF, 16V	
C1544	ECJ0EB1H102K	C 1000PF, 50V	
C1545	ECJ1VF1A225Z	CAPACITOR	
C1546	ECJ0EF1C104Z	C 0.1UF, 16V	
C1547	ECJ0EF1C104Z	C 0.1UF, 16V	
C1548	ECJ0EF1C104Z	C 0.1UF, 16V	
C1549	ECJ0EF1C104Z	C 0.1UF, 16V	
C1550	ECJ0EF1C104Z	C 0.1UF, 16V	
C1551	ECJ0EF1C104Z	C 0.1UF, 16V	
C1557	ECJ0EF1C104Z	C 0.1UF, 16V	
C1558	ECJ0EF1C104Z	C 0.1UF, 16V	
C1559	ECJ1VF1A225Z	CAPACITOR	
C1560	ECJ0EF1C104Z	C 0.1UF, 16V	
C1561	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1562	ECJ1VF1A105Z	C 1UF, Z, 50V	
C1563	F2G1C1000013	CAPACITOR	
C1564	ECJ0EF1C104Z	C 0.1UF, 16V	
C1565	ECJ0EF1C104Z	C 0.1UF, 16V	
C1566	ECJ0EF1C104Z	C 0.1UF, 16V	
C1567	ECJ0EF1C104Z	C 0.1UF, 16V	
C1568	ECJ0EF1C104Z	C 0.1UF, 16V	
C1569	ECJ0EF1C104Z	C 0.1UF, 16V	
C1570	ECJ0EF1C104Z	C 0.1UF, 16V	
C1571	ECJ0EF1C104Z	C 0.1UF, 16V	
C2022	ECJ0EF1C104Z	C 0.1UF, 16V	
C2024	ECJ0EF1C104Z	C 0.1UF, 16V	
C2025	ECJ2FF1A106Z	C 10UF, 10V	
C2026	ECJ2FF1A106Z	C 10UF, 10V	
C3401	ECJ0EB1C103K	C 0.01UF, 16V	PT-AE1000U
C3402	F2G0J3300014	CAPACITOR	
C3403	ECJ0EB1C103K	C 0.01UF, 16V	PT-AE1000U
C3404	F2G0J3300014	CAPACITOR	PT-AE1000U
C3405	ECJ0EB1C103K	C 0.01UF, 16V	
C3406	F2G0J3300014	CAPACITOR	PT-AE1000U
C3406	ECJ0EB1C103K	CAPACITOR	PT-AE1000E
C3407	ECJ0EF1C104Z	C 0.1UF, 16V	PT-AE1000U
C3407	F2G0J3300014	CAPACITOR	PT-AE1000E
C3408	F1K0J1060017	CAPACITOR	PT-AE1000U
C3408	ECJ0EB1C103K	CAPACITOR	PT-AE1000E
C3409	ECJ0EF1C104Z	CAPACITOR	PT-AE1000E
C3410	F2G0J3300014	CAPACITOR	PT-AE1000E
C3411	F2G0J3300014	CAPACITOR	PT-AE1000E
C3412	ECJ0EF1C104Z	CAPACITOR	PT-AE1000E
C9101	ECQU2A154MLA	CAPACITOR	△
C9102	F1BAH102A024	CAPACITOR	△
C9103	F1BAH102A024	CAPACITOR	△
C9603	F0CZZ4740003	CAPACITOR	
C9610	F0C2E1050008	CAPACITOR	
C9617	F0C3C4720003	CAPACITOR	
C9618	F0C2J1540007	CAPACITOR	
C9619	F0C2J1540007	CAPACITOR	
[OTHERS]			
A1	K1MY84BA0200	CONNECTOR	
A2	K1MY84BA0200	CONNECTOR	
A3	K1MY84BA0200	CONNECTOR	
A4	K1KA07BA0086	7P CONNECTOR	
A6	K1KA15BA0051	15PCONNECTOR	
A7	K1KA02BA0047	2P CONNECTOR	
A8	K1KA06BA0086	6P CONNECTOR	
A9	K1KA09BA0086	9P CONNECTOR	
A10	K1KA03BA0086	3P CONNECTOR	
A11	K1KA02BA0047	2P CONNECTOR	
A12	K1KA07BA0086	7P CONNECTOR	
A15	K1KA03BA0086	3P CONNECTOR	
A16	K1KA03BA0047	3P CONNECTOR	
A17	K1KA03BA0047	3P CONNECTOR	
A18	K1KA03BA0047	3P CONNECTOR	
A21	K1KA10BA0087	10PCONNECTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
A23	K1KA09BA0086	9P CONNECTOR	
A25	K1KA03BA0047	3P CONNECTOR	
H1	K1KA09AA0200	9P CONNECTOR	
H2	K1MY06BA0007	6P CONNECTOR	
K1	K1KA02A00626	2P CONNECTOR	△
K2	K1KA04A00633	2P CONNECTOR	△
M1	K1KA02BA0014	2P CONNECTOR	
M2	K1KA02BA0014	2P CONNECTOR	
R1	K1KA03BA0014	3P CONNECTOR	
V1	K1KA06BA0086	6P CONNECTOR	
CF2002	D4CC1103A037	THERMISTOR	
CF2003	D4CC1103A037	THERMISTOR	
HE2201	B4ABA0000009	HALL DEVICE	
F9101-1	EYF52BCY	FUSE HOLDER	
F9101-2	EYF52BCY	FUSE HOLDER	
F9101	K5D502BNA005	FUSE	△
JK1001	K1CY205B0002	S-VIDEO/VIDEO IN TERMINAL	
JK1002	K2HA3YYB0005	Y PB PR IN TERMINAL	
JK1003	K1FA119E0004	HDMI IN TERMINAL	
JK1004	K1FA119E0004	HDMI IN TERMINAL	
JK1005	K1FB115B0102	RGB IN 1 TERMINAL	
JK1006	K1FB109B0070	RS232C I/F TERMINAL	
JK3401	K2HA3YYB0003	D-TERMINAL	PT-AE1000U
JK3401	K1FB121B0007	SCART TERMINAL	PT-AE1000E
JK9101	TXAWC01VKD4	AC INLET ASSY	△
JS1004	ERJ6GEY0R00V	RESISTOR	
JS1005	ERJ6GEY0R00V	RESISTOR	
JS1012	ERJ6GEY0R00V	RESISTOR	
JS1013	ERJ6GEY0R00V	RESISTOR	
JS1020	ERJ6GEY0R00V	RESISTOR	
JS1021	ERJ6GEY0R00V	RESISTOR	
JS1022	ERJ6GEY0R00V	RESISTOR	
RM2001	B3RAD0000083	REMOTE RECEIVER PLATE	
S9602	A9BZ00000013	SPARKGAP	
SW2001	EVQPLHA15	SWITCH	
SW2002	EVQPLHA15	SWITCH	
SW2003	EVQPLHA15	SWITCH	
SW2004	EVQPLHA15	SWITCH	
SW2005	EVQPLHA15	SWITCH	
SW2006	EVQPLHA15	SWITCH	
SW2007	EVQPLHA15	SWITCH	
SW2008	EVQPLHA15	SWITCH	
SW2009	EVQPLHA15	SWITCH	
SW2010	EVQPLHA15	SWITCH	
SW2011	EVQPLHA15	SWITCH	
SW2012	EVQPLHA15	SWITCH	
SW2013	EVQPLHA15	SWITCH	
SW9101	K0AAKA000016	SWITCH	△
SW9601	K0BDB0000081	SWITCH (B-PCB)	△
T9604	G4F3A0000004	TRANS (B-PCB)	△
X1001	H0J286500027	CRYSTAL	
X1005	H0J829400001	CRYSTAL	
ZA2031	K4CD01000011	TERMINAL	
ZA3402	TJEA090	EARTH LUG	
ZA9101	K9ZZ00000424	LUG TERMINAL	
RTL	TXANP01VKD4	CIRCUIT BOARD (A)	
RTL	TNPA4094	CIRCUIT BOARD (H)	
RTL	TXANP05QEBZ	CIRCUIT BOARD (J)	
RTL	TXANP08VKD4	CIRCUIT BOARD (K1)	
RTL	TNPA4083	CIRCUIT BOARD (K2)	
RTL	TNPA4107	CIRCUIT BOARD (M)	
RTL	TNPA4198	CIRCUIT BOARD (M2)	
RTL	TNPA4095	CIRCUIT BOARD (R)	
RTL	TNPA4093	CIRCUIT BOARD (S)	
RTL	TNPA4098	CIRCUIT BOARD (V)	
	ETXMM638MBH	CIRCUIT BOARD (P)	△
	TXANP03VKD4	BALLAST UNIT ASSY	△